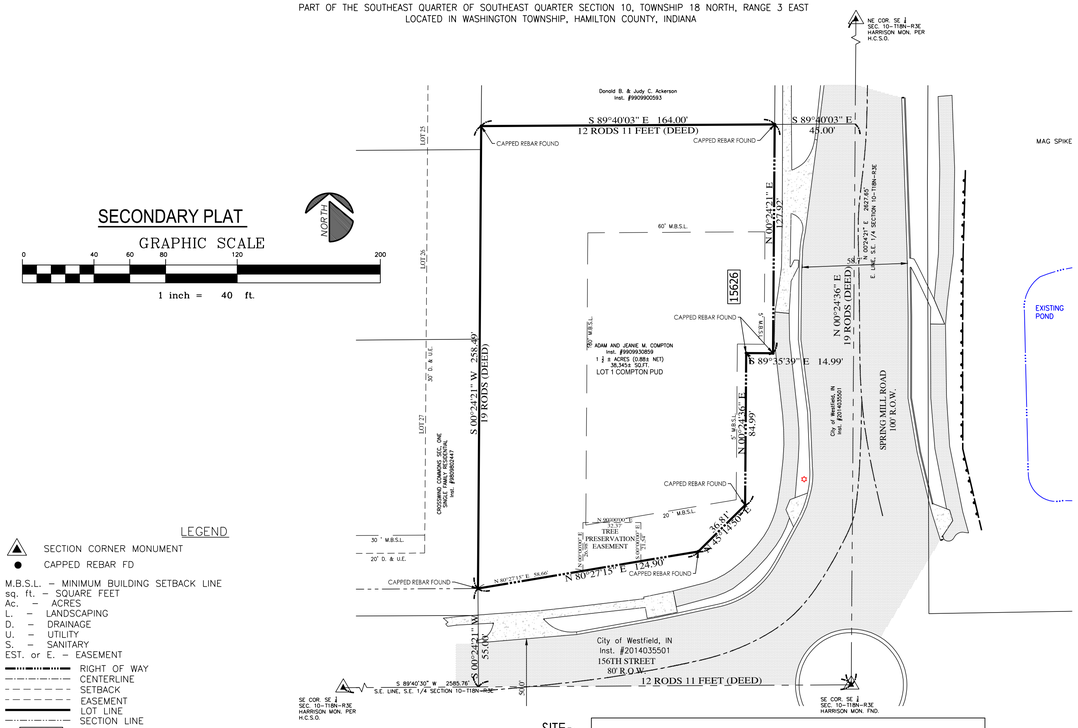
PRIMARY/SECONDARY PLAT of Lot 1

COMPTON PUD

AN ADDITION TO THE CITY OF WESTFIELD

PART OF THE SOUTHEAST QUARTER OF SOUTHEAST QUARTER SECTION 10, TOWNSHIP 18 NORTH, RANGE 3 EAST
LOCATED IN WASHINGTON TOWNSHIP, HAMILTON COUNTY, INDIANA



LEGEND

- SECTION CORNER MONUMENT
- CAPPED REBAR FD

M.B.S.L. – MINIMUM BUILDING SETBACK LINE
sq. ft. – SQUARE FEET
Ac. – ACRES
L. – LANDSCAPING
D. – DRAINAGE
U. – UTILITY
S. – SANITARY
EST. or E. – EASEMENT

- RIGHT OF WAY
- CENTERLINE
- SETBACK
- EASEMENT
- LOT LINE
- SECTION LINE

15626 STREET ADDRESS NUMBER

ZONED	COMPTON PUD (LB)
MINIMUM SOUTH YARD SETBACK	20'
MINIMUM EAST YARD SETBACK	5'
MINIMUM SIDE YARD SETBACK	15'

PLANNED UNIT DEVELOPMENT ORDINANCE FOR COMPTON PUD:
RECORDED IN INSTRUMENT No. 2018010776,
DATED MARCH 16, 2018.

NOTES:

1. SITE INFORMATION
   RECORD SITE SIZE 1 ½ ±Ac. or 65,340 sq.ft.
   NET SITE SIZE 0.88±Ac. or 38,345 sq.ft.

2. THE BASIS OF BEARINGS IS BASED ON THE SURROUNDING PLATS. THE AUTO CAD FILE HAS BEEN ROTATED TO MATCH THE HAMILTON COUNTY SECTION CORNERS PER HCSO.

3. HORIZONTAL DATUM HORIZONTAL DATUM IS BASED ON HAMILTON COUNTY SURVEYOR SECTION CORNER TIES USING NAD 83 AND INDIANA EAST STATE PLAN COORDINATES.

SITE

AERIAL PHOTO

AERIAL VICINITY MAP

SOURCE OF TITLE:
C. ADAM AND JEANIE M. COMPTON
Inst. #9909930859

OWNER:
C. ADAM AND JEANIE M. COMPTON
15626 SPRING MILL ROAD
WESTFIELD, IN 46074

SUBDIVIDER:
C. ADAM AND JEANIE M. COMPTON
15626 SPRING MILL ROAD
WESTFIELD, IN 46074

I affirm, under the penalties of perjury, that I have taken reasonable care to redact each Social Security number in this document, unless required by law. A.L. DeHart, PS

This instrument was based upon survey by Weihe Engineers, dated November 14, 2017.
This instrument prepared by Keeler-Webb Associates, A. L. DeHart, PS, 486 Gradle Drive, Carmel, Indiana 46032 (317) 574-0140
This instrument was prepared for Adam Compton, 15626 Spring Mill Road, Westfield, IN 46074.

KEELER-WEBB ASSOCIATES
Consulting Engineers–Planners–Surveyors
486 GRADLE DRIVE
CARMEL, INDIANA 46032
PHONE (317) 574-0140
FAX (317) 574-1269
PROJECT #2103-031 E-mail: adehart@keelerwebb.com

DRAWN BY: TEN
CHECKED BY: ALD
DATE: 06-25-2021
SHEET No. 1 of 2

PRIMARY/SECONDARY PLAT of Lot 1

COMPTON PUD

AN ADDITION TO THE CITY OF WESTFIELD

PART OF THE SOUTHEAST QUARTER OF SOUTHEAST QUARTER SECTION 10, TOWNSHIP 18 NORTH, RANGE 3 EAST
LOCATED IN WASHINGTON TOWNSHIP, HAMILTON COUNTY, INDIANA

RECORD
LEGAL DESCRIPTION
INSTRUMENT No. 9909930859

Commencing at the Southeast Corner of the Southeast Quarter of the Southeast Quarter of Section 10, Township 18 North, Range 3 East, and running thence North 19 rods, thence West 12 rods and 11 feet, thence South 19 rods, thence East 12 rods and 11 feet to the place of beginning. Containing 1 ½ Acres more or less.

Plan Commission Certificate:

Under authority provided by I.C. 36-7, enacted by the general assembly of the State of Indiana, and all acts amendatory thereto, and an ordinance adopted by the City Council of the City of Westfield, Hamilton County, Indiana, this plat was given approval by the Westfield-Washington Township Advisory Plan Commission, as follows:

Approved by the Director of the Economic and Community Development Department of the City of Westfield, Hamilton County, Indiana, pursuant to the Westfield-Washington Township Unified Development Ordinance, on the _____ day of _____, 2021.

Westfield-Washington Township Plan Commission

By: _____
Kevin Todd, Director
Economic and Community Development Department

Registered Land Surveyor's Certificate:

I, Adam L. DeHart, PS, hereby certify that I am a Registered Land Surveyor, licensed in compliance with the laws of the State of Indiana: That this plat correctly represents a survey completed by me on _____, 2021, that all the monuments shown thereon actually exist or bond has been posted to cover the later installation of these monuments, and that all other requirements specified herein, done by me, have been met.

KEELER-WEBB ASSOCIATES
CERTIFIED BY

A.L. DeHART, PS
STATE OF INDIANA
REGISTRATION No. 29500025

ADAM L. DeHART REGISTERED No. 29500025 STATE OF INDIANA LAND SURVEYOR

Hamilton County, Indiana (IN057)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
YbvA	Brookston silty clay loam-Urban land complex, 0 to 2 percent slopes	0.5	35.2%
YcSA	Crosby silt loam, fine-loamy subsoil-Urban land complex, 0 to 2 percent slopes	0.8	64.8%
Totals for Area of Interest		1.3	100.0%

Deed of Dedication:

We the undersigned owners of the real estate shown and described herein, do hereby certify that we have laid off, platted and subdivided, and do hereby lay off, plat and subdivide, said real estate in accordance with the within plat.

This subdivision shall be known and designated as PLAT OF LOT 1 in COMPTON PUD, an addition to WESTFIELD, Indiana, and contains 1 lot, numbered 1. All rights-of-way shown and not heretofore dedicated are hereby dedicated to the public. Front, side, and rear yard building setback lines are hereby established as shown on this plat, between which lines and the property lines of the street, there shall be erected or maintained no building or structure.

There are strips of ground shown on this plat and marked "Tree Preservation Easement", reserved for preservation of existing trees, subject at all times to the proper authorities and to the easement herein reserved. No permanent or other structures are to be erected or maintained upon said strips of land, but owners of lots in this subdivision shall take their title.

The foregoing covenants, or restrictions, are to run with the land and shall be binding on all parties and all persons claiming under them until January 1, 2044, at which time said covenants, or restrictions, shall be automatically extended for successive periods of ten years unless changed by vote of a majority of the then owners of the building sites covered by these covenants, or restrictions, in whole or in part. Invalidation of any of the foregoing covenants, or restrictions, by judgment or court order shall in no way affect any of the other covenants or restrictions, which shall remain in full force and effect.

The right to enforce these provisions by injunction, together with the right to cause the removal, by due process of law, of any structure or part thereof erected, or maintained in violation hereof, is hereby dedicated to the public, and reserved to the several owners of the several lots in this subdivision and to their heirs and assigns.

There are shown on this instrument an area(s) designated as 'Tree Preservation Easements' or abbreviated as 'T.P.E.'. Such Easement(s) shall be regulated and maintained in accordance with the following:

Permitted Activities: The following activities shall be permitted: (a) Removal of invasive species (e.g., bush honeysuckle), where appropriate, including the use of professionals to apply herbicides or identify and remove such invasive species; (b) Removal of an overabundance of combustible material (e.g., dead, fallen trees, and leaves); (c) Removal of vines growing on and up a tree; (d) Removal of hazardous, exotic and invasive species and/or dead, hazardous and at risk trees; (e) Planting of native trees; (f) Removal of trees directed to be removed by municipal, County, State or federal agencies or departments or by a public utility; (g) Installation of minor improvements such as identification Signs; provided such are designed and installed in a manner that does not remove or damage any trees to the greatest extent possible; and (h) Installation, mowing, and maintenance of access Easements, paved or unpaved trails, or utility and drainage improvements; provided, however, that any such improvements and easements shall be as narrow or small as reasonably possible with no blanket easements.

Prohibited Activities: The following activities shall be prohibited: (a) Mowing any portion of existing, naturally vegetated areas; (b) Dumping of leaves or other debris; (c) Seeding, including grass seed, prairie mix seed, sod or the planting of any type of vegetable garden; (d) The construction of permanent structural improvements including, but not limited to: pools, sheds, garages, fences, playground equipment, tree houses, fire pits, and other permanent or semi-permanent structures; and (e) Active recreational activities that adversely impact the natural characteristics of the preservation area, including, but not limited to the placement of playground equipment, paving for basketball or tennis courts or swimming pools.

Required Activities: The following shall be required: (a) All maintenance activity shall be completed in accordance with industry standards using the latest ANSI Z133.1 and A-300 approved practices and methods; Signs identifying a "Tree Preservation Area" shall be posted every one-thousand (1,000) feet near the perimeter of all Tree Preservation Easements. Such Signs shall state "Natural Preservation Area. No mowing or spraying. Restricted Area."; and (c) Any person or entity causing damage or destruction or that violates the provisions of this easement shall be responsible to replace removed or damaged trees with trees (a minimum of three (3) inches in caliper) of an equivalent caliper to the removed or damaged vegetation, and to return the damaged areas of the easement to its original natural state.

Witnessed our hands and seals this _____ day of _____, 2021.

_____
C. Adam and Jeannine M. Compton
State of Indiana)
SS)
_____ County)

C. Before me the undersigned Notary Public, in and for the County and State, personally appeared Adam and Jeannine M. Compton, and acknowledges the execution of the foregoing instrument as his or her voluntary act and deed, for the purposes therein expressed.

Witness my hand and notary seal this _____ day of _____, 2021.

_____
Notary Public Signature
_____
Notary Public Printed Name
_____
Notary Public Commission Expiration Date

Board of Public Works and Safety Certificate:

This plat and the acceptance of any public rights-of-way dedicated herein was given approval by the Board of Public Works and Safety of the City of Westfield, Indiana, at a meeting held on the ____ day of _____, 2021.

_____
J. Andrew Cook, Mayor

_____
Randell Graham, Member

_____
Kate Snediker, Member

KEELER-WEBB ASSOCIATES
Consulting Engineers–Planners–Surveyors
486 GRADLE DRIVE
CARMEL, INDIANA 46032
PHONE (317) 574-0140
FAX (317) 574-1269
PROJECT #2103-031 E-mail: adehart@keelerwebb.com

DRAWN BY: TEN
CHECKED BY: ALD
DATE: 06-25-2021
SHEET No. 2 of 2

OVERALL & DETAILED DEVELOPMENT PLAN
PROPOSED DENTIST OFFICE BUILDING

FOR:

COMPTON PUD

15626 SPRING MILL ROAD
WESTFIELD, INDIANA

RECORD LEGAL DESCRIPTION

COMMENCING AT THE SOUTHEAST CORNER OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 10, TOWNSHIP 18 NORTH, RANGE 3 EAST, AND RUNNING THENCE NORTH 19 RODS, THENCE WEST 12 RODS AND 11 FEET, THENCE SOUTH 19 RODS, THENCE EAST 12 RODS AND 11 FEET TO THE PLACE OF BEGINNING, CONTAINING 1 ¼ ACRES MORE OR LESS.

CONTACTS

Duke Energy (Noblesville Office) (C) 100 South Mill Creek Road Noblesville, Indiana 46062 **JD Cox** (317) 776-5350 / (317) 349-3740 (cell) JD.Cox@duke-energy.com	**Duke Energy (Carmel Office) (H) (C)** 16475 Southpark Drive Westfield, Indiana 46074 **Matt Dayhuff** (317) 896-6704 matt.dayhuff@duke-energy.com	**Duke Energy: Asset Protection (H) (C)** WF500 / 2727 Central Avenue Columbus, Indiana 47201 **Ryan Daugherty** (812) 375-2021 ryan.daugherty@duke-energy.com
Panhandle Eastern Pipeline Company 9371 Zionsville Road Indianapolis, Indiana 46268 **Troy Yackle** (317) 733-3213 troy.yackle@energytransfer.com **Mark Wood** (317) 733-3232 mark.wood@energytransfer.com	**Indiana Gas / Vectren (P) (C)** P.O. Box 1700 Noblesville, Indiana 46061 **Chad Miller** (317) 776-5590 crmiller@vectren.com	**Comcast Cable** 5330 East 65th Street Indianapolis, Indiana 46220 **Earl Small, Jr** (317) 982-1161 Earl_Small@cable.comcast.com
Level 3 Communications 1902 South East Street Indianapolis, Indiana 46225 **Dewayne Hamilton** (317) 916-2708 dewayne.hamilton@level3.com	**Spectrum** 3030 Roosevelt Avenue Indianapolis, Indiana 46218 **Matt Filson** (317) 713-3899 / (317) 618.2822 (cell) Mathew.Filson@charter.com	**Buckeye Partners, L.P.** 5521 W Lincoln Highway, Suite 305 Crown Point, Indiana 46307 **Jana Olthoff** (219) 796-8226 / (219) 741-0201 (cell) jolthoff@buckeye.com
Marathon Pipeline LLC 10722 East County Road 300 North Indianapolis, Indiana 46234 **Brian Phillips** (317) 291-9460 BrPhillips@marathonpetroleum.com	**Frontier Communication** 20905 Hague Road Noblesville, Indiana 46060 **Steve Costlow** (317) 984-9010 steve.costlow@ftr.com	**AT&T** 240 North Meridian Street Indianapolis, Indiana 46204 **Brian Wente** (317) 610-5440 / (317) 525-4894 (cell) Bw1917@att.com
Zayo Group 5200 East 64th Street Indianapolis, Indiana 46220 **Waylon Higgins** (765) 341-1199 waylon.higgins@zayo.com	**Indiana Fiber Network** 722 North High School Road Indianapolis, Indiana 46214 **Shawn Wright** (317) 777-7119/ (317)605-2564 (cell) swright@intelligentfiber.com	**MetroNet (C)** 12415 Old Meridian Street Carmel, Indiana 46032 **Marc Hill** (317) 670-7995 Marc.Hill@metronetinc.com
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SHEET INDEX

PERSON RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES

CONTRACTOR

GARY FISCHER
535 KENTUCKY AVE
INDIANAPOLIS, IN 46225
317-832-1700
email: gfischer@midwestgc.com ⚠

ALL UTILITY CROSSINGS UNDER WESTFIELD PAVEMENT IN THE RIGHT-OF-WAY REQUIRE BORING & JACKING OR DIRECTIONAL DRILLING. AVOID OPEN CUTTING OF PAVEMENT AS DIRECTED BY WESTFIELD.

ALL CONTRACTORS SHALL REVIEW CITY OF WESTFIELD STANDARDS AND SPECIFICATIONS PRIOR TO BIDDING ON THIS PROJECT. ADDITIONAL SPECIFICATIONS, NOT INCLUDED IN THIS SET OF PLANS, MAY BE REQUIRED.

THE PRESENCE OF A CITY OF WESTFIELD REVIEW AND ACCEPTANCE STAMP ON PLANS DOES NOT RELIEVE THE CONTRACTOR OR DEVELOPER FROM COMPLIANCE OF THE "CITY OF WESTFIELD CONSTRUCTION STANDARDS, LATEST EDITION". THIS REVIEW ONLY DESIGNATES THAT THE GENERAL CONFORMANCE WITH DESIGN AND SPECIFICATIONS HAVE BEEN MET. FIELD CHANGES MAY BECOME NECESSARY IN ORDER TO COMPLY WITH THE DETAILED CITY OF WESTFIELD SPECIFICATIONS.

FLOOD MAP

AERIAL PHOTO

2020 WESTFIELD GIS AERIAL
N.T.S.

ZONING MAP

WESTFIELD ZONING MAP
N.T.S.

This set of drawings are not intended to be represented as a retracement or original boundary survey, a route survey, or a Surveyor Location Report.

APPROVAL PENDING NOT FOR CONSTRUCTION

ISSUE	DATE
CLIENT REVIEW	04-01-2021
TAC REVIEW COMMENTS ⚠1	06-25-2021

KEELER-WEBB ASSOCIATES
Consulting Engineers–Planners–Surveyors
486 GRADLE DRIVE
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FAX (317) 574-1269 odehort@keelerwebb.com

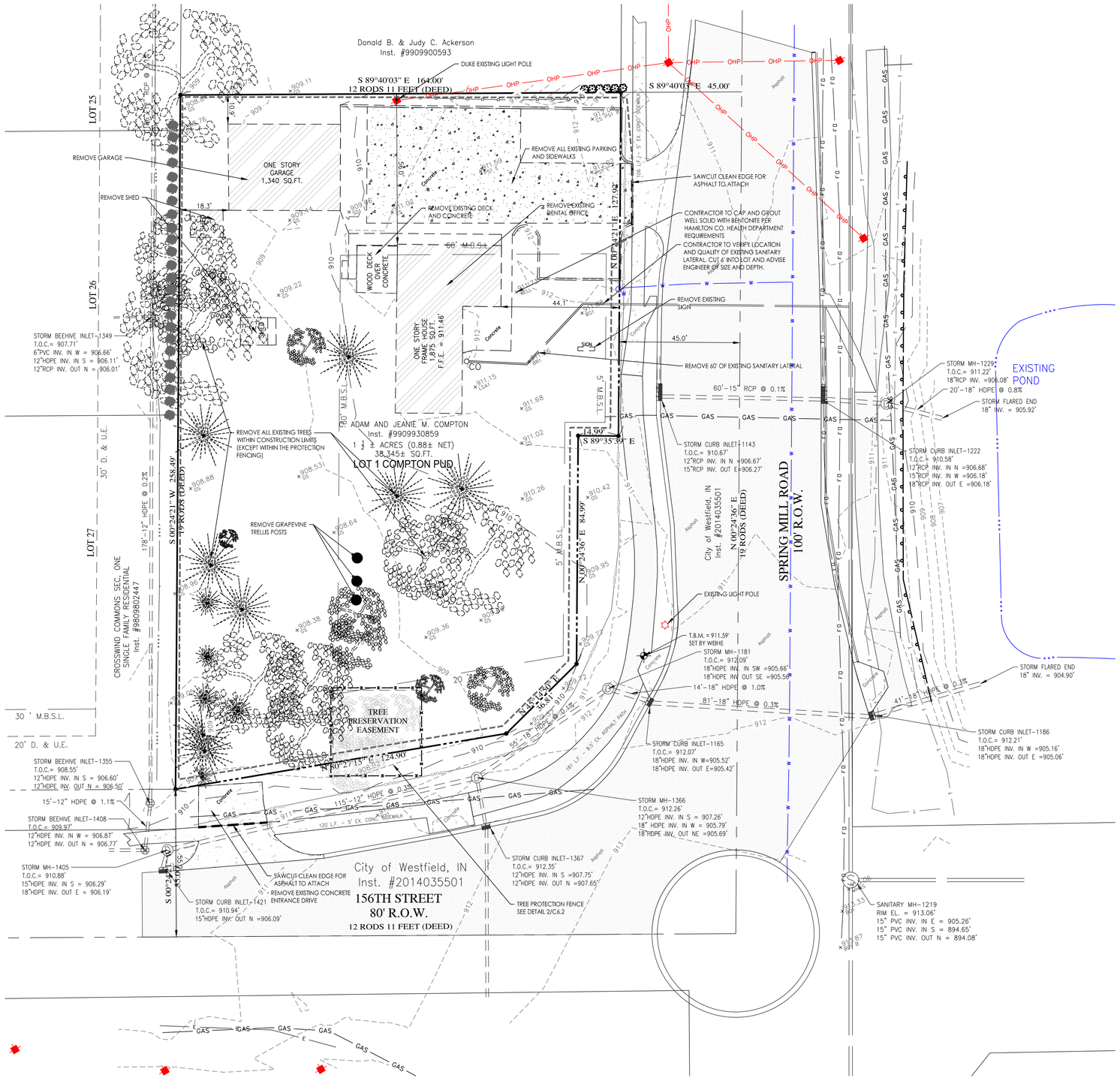
prince alexander
850 SOUTH MERIDIAN ST. INDIANAPOLIS, IN
317-261-0070

PROPOSED BUILDING
COMPTON DENTAL
15626 SPRING MILL ROAD
WESTFIELD, IN 46074

DRAWN BY: TEN
CHECKED BY: ALD

PROJECT No.
2103-029

SHEET No.
COVER



Hamilton County, Indiana (IN057)			
Hamilton County, Indiana (IN057)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
YbvA	Brookston silty clay loam-Urban land complex, 0 to 2 percent slopes	0.5	35.2%
YclA	Crosby silt loam, fine-loamy subsoil-Urban land complex, 0 to 2 percent slopes	0.8	64.8%
Totals for Area of Interest		1.3	100.0%

SOIL MAP

NORTH

HOLEY MOLEY SAYS

"DIG SAFELY"

"IT'S THE LAW"
CALL BEFORE YOU DIG
811

KNOW WHAT'S BELOW
PER INDIANA STATE LAW IC8-1-26, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK. *CALL 1-800-382-5544 to schedule a locate request*

EXISTING TOPOGRAPHY AND DEMOLITION PLAN ⚠

NORTH

GRAPHIC SCALE

0 20 30 40 60 100

(IN FEET)
1 inch = 20 ft.

EXISTING LEGEND

- SIGNS
- STORM INLETS
- STORM MANHOLE
- UTILITY POLE
- WATER VALVE
- PHONE MANHOLE
- UTILITY PEDESTAL
- FIRE HYDRANT
- MANHOLE
- CLEAN OUT
- WATER METER
- LIGHT POLE
- ELECTRIC METER
- GAS METER
- EXISTING ASPHALT
- EXISTING BUILDING TO BE REMOVED
- EXISTING CONCRETE
- 1' CONTOUR LINE
- 5' CONTOUR LINE
- EXISTING GAS LINE
- PROPERTY LINE
- ADJOINER/SECTION LINE
- RIGHT-OF-WAY LINE
- CENTERLINE
- SETBACK LINE
- EASEMENT
- EXISTING UNDERGROUND ELECTRIC LINES
- EXISTING OVERHEAD UTILITY LINES
- EXISTING UNDERGROUND PHONE
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER LINE
- SANITARY SEWER LINE
- STORM SEWER
- PRIVACY/WOOD FENCE
- FLOW LINE
- GUARD RAIL
- CONSTRUCTION LIMITS
- TREE PROTECTION

NOTES:

1. SITE INFORMATION
   SITE SIZE 1 ½ ± Ac.

2. BENCH MARK
BM – HCBR 44 – HAMILTON COUNTY GEODETIC CONTROL DISK, ALONG 161ST STREET ABOUT 0.5 MILE WEST OF DITCH ROAD, A DNR STANDARD DISK SET IN THE NORTHWEST BRIDGE ABUTMENT OF THE 161ST STREET BRIDGE OVER AN UNKNOWN TRIBUTARY OF LITTLE EAGLE 20.7 FEET NORTH OF THE CENTER OF 16ST STREET.

COND. – GOOD
ELEV. = 896.72
NAVD 1988

3. TEMPORARY BENCH MARK
TBM 1 – CUT BOX AT NORTHEAST CORNER OF WHEEL CHAIR RAMP ON CONCRETE WALK 34 FEET WEST OF CENTER OF SPRINGMILL ROAD AND 103 FEET NORTH OF CENTER OF 156TH STREET. SET BY WEIHE ENGINEERS

COND. – GOOD
ELEV. = 911.63'
NAVD 1988

APPROVAL PENDING NOT FOR CONSTRUCTION

ISSUE	DATE
CLIENT REVIEW	04-09-2021
CLIENT REVIEW	06-01-2021
TAC REVIEW COMMENTS ⚠1	06-25-2021

KEELER-WEBB ASSOCIATES
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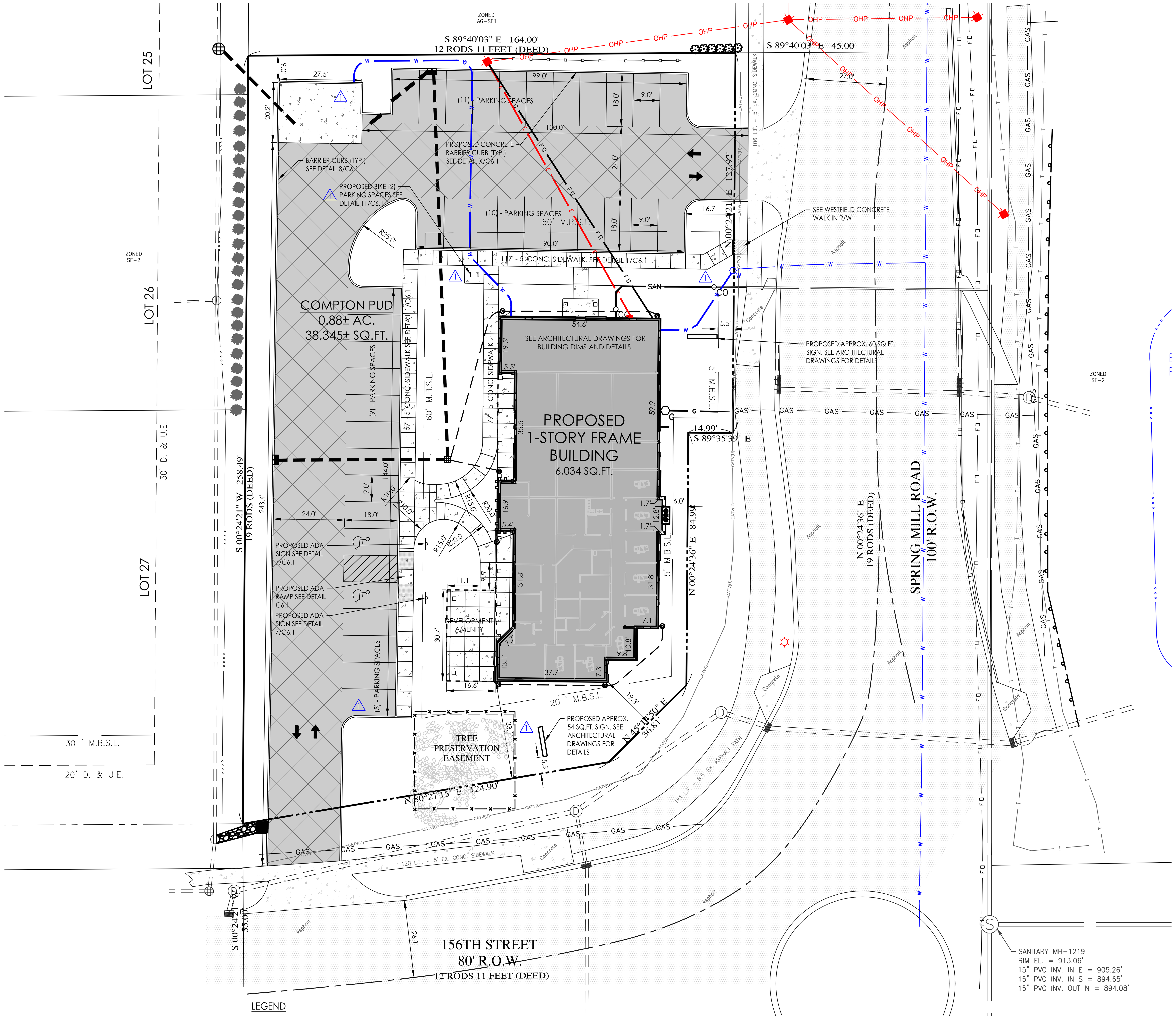
prince alexander
ARCHITECTURE | PLANNING | LANDSCAPE ARCHITECTURE | INTERIOR DESIGN | PROJECT MANAGEMENT
850 SOUTH MERIDIAN ST, INDIANAPOLIS, IN
317-261-0070

PROPOSED BUILDING
COMPTON DENTAL
15626 SPRING MILL ROAD
WESTFIELD, IN 46074

DRAWN BY: TEN
CHECKED BY: ALD

PROJECT No.
2103-029

SHEET No.
C1



LEGEND

- STORM INLETS
- STORM MANHOLE
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- MANHOLE
- CLEAN OUT
- WATER METER
- LIGHT POLE
- BOLLARD
- ELECTRIC METER
- GAS METER
- PROPOSED DOWNSPOUT
- EXISTING ASPHALT
- EXISTING CONCRETE
- PROPOSED CONCRETE
- PROPOSED LIGHT-DUTY ASPHALT SEE DETAIL 3/C6.1
- PROPOSED HEAVEY-DUTY ASPHALT SEE DETAIL 2/C6.1
- PROPOSED BUILDING
- 1' CONTOUR LINE
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- PROPOSED GAS LINE
- PROPOSED STORMWATER LINE
- PRIVACY/WOOD FENCE
- FLOW LINE
- GUARD RAIL
- CABLE TV LINE

CONCRETE NOTES

1. ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCE CONCRETE": COMPLY WITH APPLICABLE PROVISIONS EXCEPT AS OTHERWISE INDICATED.
2. EMPLOY ACCEPTABLE TESTING LABORATORY TO PERFORM MATERIALS EVALUATION, TESTING AND DESIGN OF CONCRETE MIXES.
3. PERFORM SAMPLING AND TESTING DURING CONCRETE PLACEMENT, AS FOLLOWS: AIR CONTENT ASTM C 173, ONE FOR EACH SET OF COMPRESSIVE STRENGTH SPECIMENS, 6 % MINIMUM ON ALL CONCRETE EXPOSED TO FREEZING OR THAWING. COMPRESSIVE STRENGTH ASTM C 39, ONE SET OF EACH 50 CU. YDS. OR FRACTION THEREOF EACH CLASS OF CONCRETE; ONE SPECIMEN TESTED AT 7 DAYS, ONE SPECIMEN TESTED AT 28 DAYS, AND ONE RETAINED FOR LATER TESTING IF REQUIRED. WHEN THE TOTAL QUANTITY OF GIVEN CLASS OF CONCRETE IS LESS THAN 50 CU. YDS. STRENGTH TESTS MAY BE WAIVED BY ENGINEER IF FIELD EXPERIENCE INDICATES EVIDENCE OF SATISFACTORY STRENGTH. TEST RESULTS WILL BE REPORTED IN WRITING TO ENGINEER OR GENERAL CONTRACTOR. CONTACT THE CONCRETE PRODUCER WITHIN 24 HOURS AFTER TESTS ARE MADE.
4. CONCRETE FOR EXTERIOR PAVEMENT, SLABS, WALKS, PATIOS, AND CURBS SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF NOT LESS THAN 4,000 PSI FOR ALL EXTERIOR POURED CONCRETE.
5. MIX DESIGN MAY BE ADJUSTED WHEN MATERIAL CHARACTERISTICS, JOB CONDITIONS, WEATHER, TEST RESULTS OR OTHER CIRCUMSTANCES WARRANT. DO NOT USE REVISED CONCRETE MIXES UNTIL SUBMITTED TO AND ACCEPTED BY ENGINEER.
6. PORTLAND CEMENT ASTM C 150, TYPE AS REQUIRED.
7. ASTM C 33, EXCEPT LOCAL AGGREGATES OF PROVEN CURABILITY MAY BE USED WHEN ACCEPTABLE TO ENGINEER. USED EVENLY MIXED SIZES OF AGGREGATE UP TO ½" MINIMUM SIZE.
8. WATER: DRINKABLE
9. AIR-ENTRAINING ADMIXTURE: ASTM C 260.
10. WATER-REDUCING ADMIXTURE: ASTM C 494; TYPE AS REQUIRED TO SUIT PROJECT CONDITIONS. ONLY USE ADMIXTURES WHICH HAVE BEEN TESTED AND ACCEPTED IN MIX DESIGNS.
11. PROVIDE FORM MATERIALS WITH SUFFICIENT STABILITY TO WITHSTAND PRESSURE OF PLACED CONCRETE WITHOUT BOW OR DEFLECTION.
12. DEFORMED REINFORCING BARS: ASTM A 615, GRADE 60, UNLESS OTHERWISE INDICATED.
13. WELDED WIRE FABRIC: ASTM A 185.
14. JOB SITE MIXING: USE DRUM TYPE BATCH MACHINE MIXER, MIXING NOT LESS THAN 1-1/2 MINUTES FOR ONE CU. YD. OR SMALL CAPACITY. INCREASE MIXING TIME AT LEAST 15 SECONDS FOR EACH ADDITION YD. OR FRACTION THEREOF.
15. READY MIX CONCRETE: ASTM C 94
16. CONSTRUCT FRAMEWORK SO THAT CONCRETE MEMBERS AND STRUCTURES ARE OF CORRECT SIZE, SHAPE, ALIGNMENT, ELEVATION AND POSITION.
17. CLEAN AND ADJUST FORMS PRIOR TO CONCRETE PLACEMENT. APPLY FORM RELEASE AGENTS OR WET FORMS AS REQUIRED. RE-TIGHTEN FORMS DURING CONCRETE PLACEMENT IF REQUIRED TO ELIMINATE LEAKS.
18. SATISFACTORY SOIL MATERIAL SHALL BE FREE OF CLAY, ROCK OR GRAVEL LARGER THAN 2" IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIAL VEGETABLE AND OTHER DELETERIOUS ORGANIC MATTER. SOIL SHALL CONSIST OF NON-ORGANIC, LOW PLASTIC (P1 20) MATERIAL.
19. SUB-BASE MATERIAL: SHALL BE NATURALLY OR ARTIFICIALLY GRADE MIXTURE OF NATURAL OR CRUSHED GRAVEL, CRUSHED STONE, CRUSHED SLAG, NATURAL OR CRUSHED SAND.
20. BARRICADE OPEN EXCAVATIONS OCCURRING AS PART OF THIS WORK AND POST WITH WARNING LIGHTS.
21. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY EARTHWORK OPERATIONS.
22. FORM CONCRETE SUCH THAT FAVORABLE DRAINAGE OCCURS TO STORM DRAINS, STAIRWELL DRAINS, AND/OR PARKING LOTS. NO DRAINAGE SHOULD OCCUR TOWARDS THE FOUNDATION OF BUILDING WALLS.
23. MINIMUM CONCRETE COVER SHALL BE 3" FOR REINFORCING STEEL IN ACCORDANCE WITH (ACI 318-83).
24. WELDING, INCLUDING TACK WELDING, OF REINFORCED STEEL IS PROHIBITED. WELDING OF REINFORCING STEEL WILL BE PERMITTED ONLY BY WRITTEN APPROVAL OF THE ENGINEER.
25. FOOTINGS SHALL BEAR ON UNDISTURBED MATERIAL. ANY UNSUITABLE MATERIAL SHALL BE REMOVED. ALL FOOTING EXCAVATIONS SHALL BE INSPECTED BY AN INDEPENDENT SOILS ENGINEER AT DIRECTION OF GENERAL CONTRACTOR BEFORE CONCRETE IS PLACED.
26. SOILS EXPOSED IN THE BASES OF ALL SATISFACTORY FOUNDATION EXCAVATIONS SHALL BE PROTECTED AGAINST ANY DETRIMENTAL CHANGE IN CONDITIONS SUCH AS DISTURBANCE, RAIN OR FREEZING. SURFACE RUNOFF SHALL NOT BE ALLOWED TO ENTER THE EXCAVATION.
27. PROVIDE CONSTRUCTION, ISOLATION AND CONTROL JOINTS AS INDICATED ON CIVIL SHEETS.
28. ALL EXTERIOR CONCRETE SHALL BE FINISHED WITH A LIGHT BROOM TYPE SURFACE.
29. THE SUB-CONTRACTOR SHALL PROVIDE SPECIFICATIONS AND MANUFACTURERS DATA FOR CONCRETE SEALER, JOINT FILLER, AND CURING COMPOUND FOR ALL FLOOR SLABS, TO THE ENGINEER PRIOR TO INSTALLATION FOR APPROVAL.
30. ALL SOFT, YIELDING OR OTHER UNSUITABLE MATERIALS ENCOUNTERED DURING ANY PHASE OF SUBGRADE CONSTRUCTION SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL. THE REPLACEMENT MATERIAL SHALL FILL THE UNSTABLE AREA FOR THE ENTIRE DEPTH OF THE COMPACTED SUBGRADE AND MEET THE SUBGRADE COMPACTIONS REQUIREMENTS. THE SUBGRADE SHALL BE SHAPED TO THE TRUE LINES AND GRADE AS SHOWN ON THE PLANS.
31. THE SUBGRADE SHALL BE COMPACTED TO 95% LABORATORY DENSITY AS DETERMINED BY AASHTO METHOD T-99.
32. THE SUBGRADE AND FINISH PAVING SHALL BE TESTED BY AN APPROVED TESTING COMPANY AT THE DIRECTION OF THE GENERAL CONTRACTOR FOR UNIFORM SMOOTHNESS, DENSITY AND GRADE.

SITE DATA

ZONED	PUD COMPTON
LOT AREA	1 ½ AC. (0.88± AC. NET)
PROPOSED BUILDING	6,034 SQ. FT.
PROPOSED CONCRETE WALKS	2,700 SQ,FT
PROPOSED PAVING	15,466 SQ. FT.
TOTAL IMPERVIOUS AREA	0.556± AC.
OFFICE TENANT AREA	2,730 SQ.FT. △1
MINIMUM SOUTH YARD SETBACK	20'
MINIMUM EAST YARD SETBACK	5'
MINIMUM NORTH SIDE YARD SETBACK	60' △1
MINIMUM WEST SIDE YARD SETBACK	60'
PARKING REQUIRED	
DENTIST OFFICE	26 SPACES △1
OFFICE LEASE SPACE	9 SPACES
PROPOSED PARKING	
DENTIST OFFICE	26 SPACES △1
OFFICE LEASE SPACE	9 SPACES
ADA SPACES	2 SPACES
TOTAL PROPOSED	37 SPACES
SIGN AREA 1' SQ.FT. PER LINIAL FOOT OF BUILDING FRONTAGE	177 SQ.FT.

SITE NOTES

1. EXISTING TOPOGRAPHY TAKEN FROM A PREVIOUS WEIHE ENGINEERING SURVEY DATED NOVEMBER 14, 2017. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EXISTING SITE CONDITIONS PRIOR TO STARTING WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND /OR STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
3. DO NOT SCALE THE DRAWINGS, USE ALL DIMENSIONS, COORDINATES, ETC. PROVIDED FOR EXACT LOCATION OF PROPOSED IMPROVEMENT. ONLY USE PLAN CONTROL POINTS PROVIDED AS A BASIS FOR ANY CONSTRUCTION ENGINEERING OR SURVEYING PROPOSED IMPROVEMENTS.
4. CONTRACTOR SHALL HIRE A LICENSED LAND SURVEYOR IN THE STATE OF PRACTICE TO PROVIDE HORIZONTAL AND VERTICAL CONTROL TO LAYOUT THE SITE IMPROVEMENTS MATCHING THE PLAN CONTROL POINTS PROVIDED FOR CONSTRUCTION.
5. ALL CONTRACTORS SHALL VERIFY ALL DIMENSIONS IN FIELD PRIOR TO CONSTRUCTION, CONTACT THE DESIGNER FOR ANY DISCREPANCIES OR QUESTIONS PRIOR TO INSTALLING ANY PROPOSED IMPROVEMENTS.
6. ALL SITE DEVELOPMENT DIMENSIONS SHALL BE TO FACE OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. ALL DIMENSIONS FOR A BUILDING OR STRUCTURE SHALL BE FROM THE FACE OF BUILDING, UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE PARALLEL / PERPENDICULAR TO PROPOSED LINES, PROPERTY LINES, OR BUILDING LINES, UNLESS OTHERWISE NOTED.
7. ALL EDGE OF PAVEMENT RADII ARE 5 FEET UNLESS OTHERWISE NOTED. ALL CURVES AND ARCS IN CURBS SHALL INTERSECT OTHER CURVES AND LINES AT POINTS OF TANGENCY TO APPEAR AS A SMOOTH TRANSITION UNLESS CLEARLY SHOWN AS A POINT OF INTERSECTION.
8. THE PLUMBING CONTRACTOR SHALL CONSULT WITH THE LOCAL WATER COMPANY, PROVIDE ALL MATERIALS AND LABOR, AND PAY ALL COSTS NOT BORNE BY THE LOCAL WATER COMPANY TO PROVIDE ANY NEW WATER SERVICE.
9. THE PLUMBING CONTRACTOR SHALL CONSULT WITH THE LOCAL GAS COMPANY, PROVIDE ALL MATERIALS AND LABOR, AND PAY ALL COSTS NOT BORNE BY THE LOCAL GAS COMPANY TO PROVIDE ANY NEW GAS SERVICE.
10. THE ELECTRICAL CONTRACTOR SHALL CONSULT WITH THE LOCAL POWER COMPANY, PROVIDE ALL MATERIALS AND LABOR, AND PAY ALL COSTS AND FEES NOT BORNE BY THE LOCAL POWER COMPANY TO PROVIDE ANY NEW UNDERGROUND ELECTRICAL SERVICE.
11. THE ELECTRICAL CONTRACTOR SHALL CONSULT WITH THE LOCAL TELEPHONE COMPANY, AND SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED WHICH ARE NOT BORNE BY THE TELEPHONE COMPANY TO PROVIDE ANY NEW TELEPHONE SERVICE.
12. DOMESTIC WATER LATERAL SERVICE SHALL BE TYPE 'K' COPPER/PE. (OR APPROVED EQUAL PER LOCAL WATER COMPANY).
13. THE INCOMING WATER SERVICE SHALL BE INSTALLED WITH A MINIMUM OF 54" OF COVER.
14. ALL UTILITY SERVICE LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL THE LATEST APPLICABLE CODES AND TO EACH UTILITY'S AND/OR CITY'S STANDARDS.
15. USE COMPACTED GRANULAR FILL WHEN UTILITY LINES ARE PLACED UNDER WALKS AND DRIVEWAYS.
16. SOIL BORINGS HAVE NOT BEEN PERFORMED AT THIS TIME. PAVEMENT DESIGN IS BASED ON AN ASSUMED SOIL BEARING PRESSURE OF 1500 P.S.I.
17. PROVIDE SLEEVES FOR MECHANICAL WORK AS REQUIRED.
18. NOTIFY ENGINEER AT LEAST 1 DAY (24 HOURS) PRIOR TO PLACING ANY CONCRETE.
19. AREAS BETWEEN CURBING, SIDEWALKS, PAVING AND BUILDING SHALL BE FILLED WITH 4" OF TOPSOIL SUITABLE FOR LANDSCAPING.
20. SEE THIS SHEET FOR EXTERIOR CONCRETE SPECIFICATIONS.
21. SEE SHEET C2.2 FOR SANITARY SEWER LATERAL SPECIFICATIONS AND REQUIREMENTS.
22. THIS STRUCTURE SHALL COMPLY WITH A.D.A. 2016. (SEE INDOT DETAILS)
23. IF ACTIVE UTILITIES ARE ENCOUNTERED BUT NOT SHOWN ON THE DRAWINGS, THE ENGINEER SHALL BE ADVISED BEFORE WORK IS CONTINUED.
24. INACTIVE AND ABANDONED UTILITIES ENCOUNTERED IN EXCAVATING AND GRADING OPERATIONS SHALL BE REPORTED TO THE ENGINEER. THEY SHALL BE REMOVED, PLUGGED OR CAPPED AS DIRECTED BY THE UTILITY COMPANY AND THE ENGINEER.
25. CONTRACTOR TO INSTALL KNOX-BOX AT A LOCATION ADJACENT TO MECH/SPRINKLER ROOM. COORDINATE LOCATION, TYPE AND STYLE WITH WESTFIELD FIRE DEPARTMENT.

ASPHALT PAVEMENT SPECIFICATIONS

THE PAVING CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING:

1. THE AREA TO BE PAVED SHALL BE CLEARED OF ALL ROCK, DEBRIS, ROOTS AND VEGETATION. AN APPROVED SOIL STERILANT SHALL BE UTILIZED TO PREVENT THE GROWTH OF WEEDS.
2. ALL SOFT, YIELDING OR OTHER UNSUITABLE MATERIALS ENCOUNTERED DURING ANY PHASE OF SUBGRADE CONSTRUCTION SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL. THE REPLACEMENT MATERIAL SHALL FILL THE UNSTABLE AREA FOR THE ENTIRE DEPTH OF THE COMPACTED SUBGRADE AND MEET THE SUBGRADE COMPACTION REQUIREMENTS. THE SUBGRADE SHALL BE SHAPED TO THE TRUE LINES AND GRADE AS SHOWN ON THE PLANE.
3. THE SUBGRADE SHALL BE COMPACTED TO 95% LABORATORY DENSITY AS DETERMINED BY ASSHTO METHOD T-99.
4. THE SUBGRADE AND FINISH PAVING SHALL BE TESTED BY AN APPROVED TESTING COMPANY FOR UNIFORM SMOOTHNESS, DENSITY AND GRADE.
5. SLOPE PAVEMENT 1.0% (MIN.) TO INSURE PROPER SURFACE DRAINAGE.
6. THE HOT MIX ASPHALT BASED MAY BE PLACED DIRECTLY ON THE PREPARED SUBGRADE IN ONE LIFT FOR THE BASE COURSE TO THE REQUIRED COMPACTED THICKNESS AS SPECIFIED IN LOCAL STREET STANDARDS.
7. THE HOT MIX ASPHALT BASE AND SURFACE SHALL BE PLACED IN ONE LIFT TO THE TRUE LINE AND GRADES AS SHOWN ON THE PLANS. THE PAVING MIXTURE SHALL BE PLACED AND COMPACTED AT A TEMPERATURE BETWEEN 250 F. (121 C) AND 300 F. (149 C).
8. THE PAVING MIXTURE SHALL BE TRANSPORTED TO THE JOB SITE IN CLEAN WELL-COVERED TRUCKS WITH SMOOTH DUMP BEDS. THE BASE AND SURFACE MIXTURES ARE TO BE PLACED WITH SELF CONTAINED, POWER PROPELLED PAVERS CAPABLE OF PLACING THE MIX TO THE REQUIRED DIMENSIONS AS SHOWN ON THE PLANS.
9. ASPHALT GRADE SHALL BE DETERMINED BY ITS ABILITY TO SATISFACTORY COAT THE AGGREGATE, RESIST RUTTING AND REMAIN STIFF DURING HIGH TEMPERATURES AND SUSTAIN FREEZE/THAW CYCLES IN ADDITION TO THE CONSIDERATIONS OF ANTICIPATED WEATHER, MIXING PROCESS AND CURING RATE.
10. SEE DETAILS ON SHEET C6 FOR PAVEMENT CROSS-SECTIONS.
11. ALL PROPOSED ASPHALT PAVEMENT MIX DESIGNS AS SHOWN SHALL BE CONSTRUCTED IN COMPLIANCE WITH INDOT STANDARD SPECIFICATIONS, LATEST EDITION.
12. ANY NEW PARKING STRIPING AND ADA AREAS SHALL BE MARKED WITH A DURABLE NONSHRINK, WHITE & LIGHT BLUE PAINT TO BE APPROVED BY THE ENGINEER.

HOLEY MOLEY SAYS

"DIG SAFELY"

"IT'S THE LAW"

CALL BEFORE YOU DIG

811

KNOW WHAT'S BELOW

PER INDIANA STATE LAW IC8-1-26. IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK. *CALL 1-800-382-5544 to schedule a locate request*

PROPOSED SITE PLAN

GRAPHIC SCALE

0 20 30 40 60 100

(IN FEET)
1 inch = 20 ft.

NORTH

APPROVAL PENDING NOT FOR CONSTRUCTION

DATE	ISSUE
04-09-2021	CLIENT REVIEW
06-01-2021	CLIENT REVIEW
06-25-2021	TAC REVIEW COMMENTS △1

KEELER-WEBB ASSOCIATES
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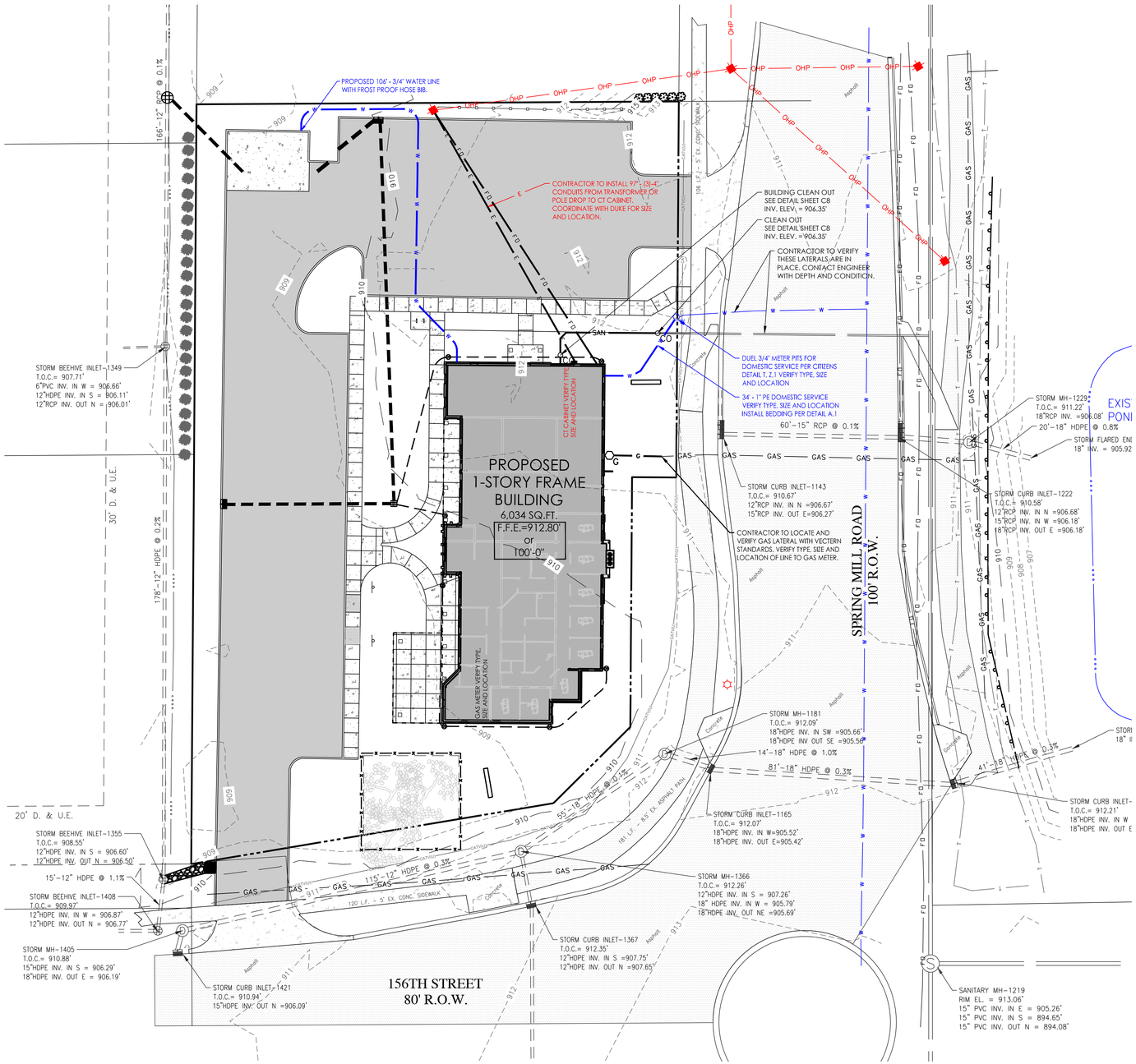
850 SOUTH MERIDIAN ST, INDIANAPOLIS, IN
317-261-0070

PROPOSED BUILDING
COMPTON DENTAL
15626 SPRING MILL ROAD
WESTFIELD, IN 46074

DRAWN BY: TEN
CHECKED BY: ALD
PROJECT No. 2103-029
SHEET No. C2.1



SANITARY SEWER LATERAL NOTES

1. SANITARY SEWER LATERAL CONSTRUCTION SHALL CONFORM TO THE CITIZENS WESTFIELD SEWER SPECIFICATIONS AND SHALL PREVAIL AS TO MATERIALS AND METHODS OF CONSTRUCTION.
2. SANITARY SEWER LATERALS SHOWN WERE DESIGNED WITH PVC PIPE IN ACCORDANCE WITH (SDR 26) AND SLOPE A MINIMUM OF 1 FEET/100 FEET.
3. ALL PVC JOINTS SHALL BE PREMOLDED, MANUFACTURED AND INSTALLED IN ACCORDANCE WITH ASTM C-425-6 0T.
4. WHERE WATER LINES AND SANITARY SEWER LINES RUN PARALLEL WITH ONE ANOTHER, A MINIMUM OF 10 FEET HORIZONTAL SEPARATION SHALL BE MAINTAINED.
5. NO ROOF DRAINS, FOOTING DRAINS AND/OR SURFACE DRAINS MAY BE CONNECTED TO THE SANITARY SEWER SYSTEM INCLUDING TEMPORARY CONNECTIONS DURING CONSTRUCTION.
6. BUILDING SHALL BE SERVICED BY A 6" MINIMUM SANITARY SEWER LATERAL. THE ENDS SHALL BE PLUGGED AND SEALED WITH WATER-TIGHT PLASTIC DISC. WYES ARE TO BE TILTED UP 45 DEGREES FROM HORIZONTAL, WITH SUITABLE FITTINGS FOR ALL CHANGES IN DIRECTION.
7. CLEAN OUTS SEE DETAILS IN LAWRENCE STANDARDS SHALL BE PROVIDED EVERY 100 LINEAL FEET OF LATERAL AND AT EACH BEND GREATER THAN 45 DEGREES.

LEGEND

- STORM INLETS
- STORM MANHOLE
- UTILITY POLE
- WATER VALVE
- PHONE MANHOLE
- UTILITY PEDESTAL
- FIRE HYDRANT
- MANHOLE
- CLEAN OUT
- WATER METER
- LIGHT POLE
- BOLLARD
- ELECTRIC METER
- GAS METER
- PROPOSED DOWNSPOUT
- EXISTING ASPHALT
- EXISTING CONCRETE
- PROPOSED CONCRETE
- PROPOSED ASPHALT
- PROPOSED BUILDING
- 1' CONTOUR LINE
- 5' CONTOUR LINE
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- PROPERTY LINE
- ADJOINER/SECTION LINE
- RIGHT-OF-WAY LINE
- CENTERLINE
- SETBACK LINE
- EASEMENT
- EXISTING UNDERGROUND ELECTRIC LINES
- EXISTING OVERHEAD UTILITY LINES
- EXISTING UNDERGROUND PHONE
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER LINE
- SANITARY SEWER LINE
- STORM SEWER
- PROPOSED WATER LINE
- PROPOSED SANITARY LINE
- PROPOSED GAS LINE
- PROPOSED STORMWATER LINE
- PRIVACY/WOOD FENCE
- FLOW LINE
- GUARD RAIL
- CABLE TV LINE

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PROPOSED SITE UTILITY PLAN

GRAPHIC SCALE

0 20 30 40 60 100

(IN FEET)
1 inch = 20 ft.

NORTH

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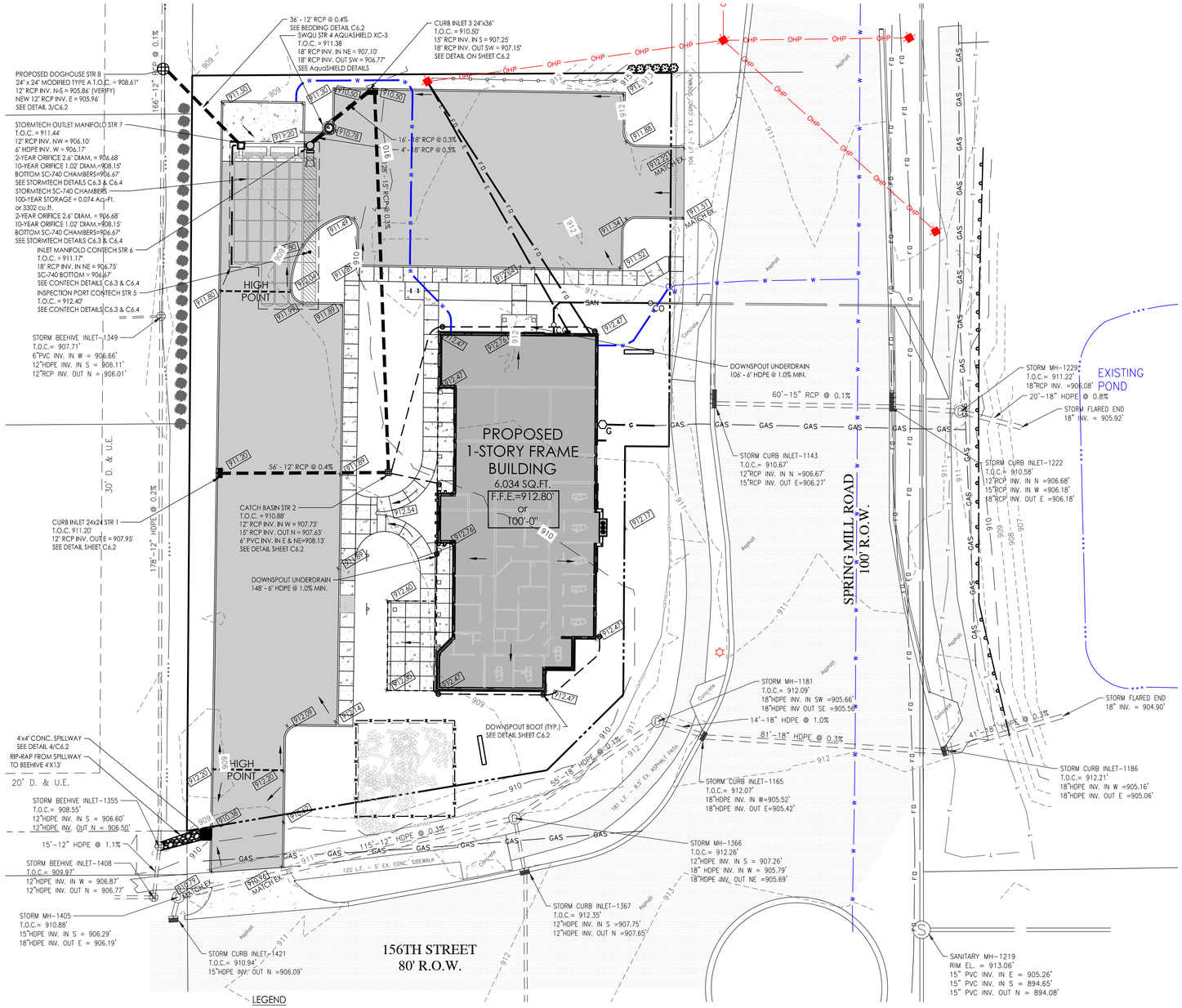
PROPOSED BUILDING
COMPTON DENTAL
15626 SPRING MILL ROAD
WESTFIELD, IN 46074

DRAWN BY: TEN
CHECKED BY: ALD

PROJECT No.
2103-029

SHEET No.
C2.2



CONTRACTOR TO ADHERE TO WESTFIELD DRAINAGE & EROSION CONTROL STANDARDS DETAILS ON SHEETS C7.1-C7.2 AND TO SITE DETAILS ON SHEET C6

PLEASE BE ADVISED, MECHANICAL DETENTION SYSTEMS ARE UNIQUELY ENGINEERED SPECIFIC TO EACH SITE. MANUFACTURER'S DETAILS MAY INCLUDE ADDITIONAL STRUCTURES NOT ILLUSTRATED IN CIVIL PLANS. IT IS RECOMMENDED THAT SITE ENGINEER COORDINATE WITH MANUFACTURER'S ENGINEER TO ENSURE SYSTEM IS CONSTRUCTED PER MANUFACTURER'S SPECIFICATIONS

ROOF DRAINS TO GUTTERS AND DOWNSPOUTS TO DISCHARGE TO UNDERDRAIN AS SHOWN

DRAINAGE & GRADING NOTES

1. EXISTING TOPOGRAPHY TAKEN FROM A PREVIOUS WEIHE ENGINEERING SURVEY.
2. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK.
3. ALL GRADING/EARTHMOVING WORK TO BE DONE IN STRICT ACCORDANCE WITH ALL STATE AND LOCAL CODES AND REQUIREMENTS.
4. LAND ALTERATION WHICH STRIPS THE LAND OF VEGETATION, INCLUDING REGRADING, SHALL BE DONE IN A WAY THAT WILL MINIMIZE SOIL EROSION.
5. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE ALONG SOUTHPARK DRIVE AT EXISTING ENTRANCE.
6. THE DURATION OF TIME WHICH AN AREA REMAINS EXPOSED SHALL BE KEPT TO A PRACTICAL MINIMUM. THE AREA SHALL BE STABILIZED AS QUICKLY AS PRACTICAL WITH TEMPORARY SEEDING PER AMOUNTS SHOWN ON SHEET C4.
7. SEE SHEETS C4 & C7 FOR EROSION CONTROL NOTES AND PLAN.
8. PRIOR TO CONSTRUCTION OF ANY PERMANENT STRUCTURES, ALL TOPSOIL AND ORGANIC MATTER, FROZEN, WET SOFT, LOOSE, OR UNDESIRABLE SOIL SHALL BE REMOVED. TOPSOIL SHALL BE REMOVED TO A MINIMUM DEPTH OF SIX INCHES (6") OR AS NECESSARY TO REMOVE ORGANIC MATTER IN THE AREAS TO BE OCCUPIED BY ROADS, WALKS AND DESIGNATED BUILDING AREAS.
9. TOPSOIL SHALL BE SEPARATED FROM SUITABLE FILL MATERIALS AND SHALL NOT BE USED AS FILL UNDER ANY CONSTRUCTION AREAS OR FUTURE EXPANSION AREAS.
10. STORM SEWER STRUCTURES SHALL COMPLY WITH CURRENT SPECIFICATION OF THE CITY, COUNTY AND ALL AGENCIES IN RESPECT TO DESIGN AND QUALITY OF CONSTRUCTION. GRANULAR BACKFILL SHALL BE REQUIRED UNDER ALL PAVEMENT AREAS AND WITHIN 5 FEET OF THE EDGE OF PAVEMENT AREAS.
11. PRE CAST CONCRETE AND STEEL FOR MANHOLES AND INLETS SHALL BE IN ACCORDANCE WITH ASTM C-478.
12. TRENCHES SHALL BE OPENED SUFFICIENTLY AHEAD OF PIPE LAYING TO REVEAL OBSTRUCTIONS, AND SHALL BE PROPERLY PROTECTED AND/OR BARRICADED WHEN LEFT.
13. TRENCHES SHALL BE SHEETED AND GRADED AS NECESSARY TO PROTECT WORKMEN AND ADJACENT STRUCTURES. ALL TRENCHING SHALL BE DONE IN ACCORDANCE WITH O.S.H.A. STANDARDS TO PROTECT WORKMEN.
14. THE SUBGRADE SHALL BE PROOF ROLLED WITH SUITABLE EQUIPMENT AND ALL SPONGY AND OTHERWISE UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
15. ALL FILLED PLACES UNDER PROPOSED STORM AND SANITARY SEWER LINES AND/OR PAVED AREAS SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY MODIFIED AASHTO T-180 COMPACT TEST OR 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99.
16. EXTRA STRENGTH REINFORCED CONCRETE PIPE TO BE PLACED UNDER PAVED AREAS AND A MINIMUM COVER OF 24" SHALL BE MAINTAINED.
17. STORM WATER SEDIMENT TRAPS SHALL BE CLEANED WHEN THEY BECOME HALF FILLED WITH SEDIMENT AND AFTER PERMANENT GROUND COVER HAS BEEN ESTABLISHED.
18. THE ABOVE PROPERTY DOES LIE WITHIN A KNOWN FLOOD PLAIN (ZONE AE) PER FEMA FLOOD INSURANCE RATE MAP, PANEL NO. 18057C0120G, EFFECTIVE DATE NOVEMBER 19, 2014.
19. ALL PROPOSED GRADES SHOWN ARE TOP OF PAVEMENT OR GRADE UNLESS OTHERWISE NOTED.
20. REMOVE ALL TREES AND STUMPS FROM AREA TO BE OCCUPIED BY ROAD AND SURFACED AREAS. REMOVAL OF TREES OUTSIDE THESE AREAS SHALL ONLY BE DONE AS NOTED ON DRAWINGS OR APPROVED BY THE OWNER.
21. ALL BRUSH, STUMPS, WOOD AND OTHER REFUSE FROM THE TREES SHALL BE BURIED ONSITE OR REMOVED TO DISPOSAL AREAS OFF OF THE SITE. DISPOSAL BY BURNING SHALL NOT BE PERMITTED UNLESS PROPER PERMITS ARE OBTAINED (WHERE APPLICABLE). THE LOCATION OF ON SITE BURY PITS SHALL BE DESIGNATED BY THE OWNER OR THE ENGINEER.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF TOPS, TRUNKS AND ROOTS OF EXISTING TREES ON THE PROJECT SITE THAT ARE TO REMAIN. EXISTING TREES SUBJECT TO CONSTRUCTION DAMAGE SHALL BE BOXED, FENCED OR OTHERWISE PROTECTED BEFORE ANY WORK IS STARTED; DO NOT STOCKPILE WITHIN BRANCH SPREAD. REMOVE INTERFERING BRANCHES WITHOUT INJURY TO TRUNKS AND COVER SCARS WITH TREE PAINT.
23. REMOVE ALL ORGANIC MATERIAL FROM THE AREAS TO BE OCCUPIED BY BUILDINGS, ROADS, WALKS AND PARKING AREAS. PILE AND STORE TOPSOIL AT A LOCATION WHERE IT WILL NOT INTERFERE WITH CONSTRUCTION OPERATIONS. TOPSOIL SHALL BE REASONABLY FREE FROM SUBSOIL, DEBRIS, WEEDS, GRASS, STONES, ECT.
24. AFTER COMPLETION OF SITE GRADING AND SUBSURFACE UTILITY INSTALLATION, TOP SOIL SHALL BE REPLACED IN AREAS DESIGNATED ON THE EROSION CONTROL PLAN FOR SEEDING AND / OR SODDING. ANY REMAINING TOP SOIL SHALL BE USED FOR FINISHED GRADING AROUND STRUCTURES AND LANDSCAPING AREAS.
25. CONTRACTOR SHALL PERFORM ALL CUTTING, FILLING, COMPACTING OF FILLS AND ROUGH GRADING REQUIRED TO BRING ENTIRE PROJECT AREA TO GRADE AS SHOWN ON THE DRAWINGS.
26. ROUGH GRADING: THE TOLERANCE FOR PAVED AREAS SHALL NOT EXCEED 0.10 FEET PLUS OR MINUS ABOVE THE ESTABLISHED SUBGRADE. ALL OTHER AREAS SHALL NOT EXCEED 0.10 FEET PLUS OR MINUS THE ESTABLISHED GRADE. ALL BANKS AND OTHER BREAKS IN GRADE SHALL BE ROUNDED AT THE TOP AND BOTTOM.
27. THE CONTRACTOR SHALL CONFIRM ALL EARTHWORK QUANTITIES PRIOR TO START OF CONSTRUCTION. IF AN EXCESS OR SHORTAGE OF EARTH IS ENCOUNTERED, THE CONTRACTOR SHALL CONFIRM WITH THE OWNER AND ENGINEER THE REQUIREMENTS FOR STOCKPILING, REMOVAL OR IMPORTING OF EARTH.
28. MINOR ADJUSTMENTS TO THE GRADES MAY BE REQUIRED TO EARTHWORK BALANCES WHEN MINOR EXCESS MATERIAL OR SHORTAGES ARE ENCOUNTERED. IT IS RECOGNIZED BY THE PARTIES HERETO THAT THE CALCULATIONS OF THE ENGINEER IN DETERMINING EARTHWORK QUANTITIES SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE AMERICAN SOCIETY OF CIVIL ENGINEERS STANDARDS FOR SUCH CALCULATIONS. FURTHER, THAT THESE CALCULATIONS ARE SUBJECT TO THE INTERPRETATIONS OF SOIL BORINGS AS THE PHYSICAL LIMITS OF THE VARIOUS SOIL TYPES, ALSO THE ALLOWABLE VARIATION IN FINISH GRADE AND COMPACTION PERMITTED THE CONTRACTOR, AND THAT ALL OF THESE PARAMETERS MAY CAUSE EITHER AN EXCESS OR SHORTAGE OF ACTUAL EARTHWORK MATERIALS TO COMPLETE THE PROJECT. IF SUCH AN ACTUAL MINOR EXCESS OR SHORTAGE OF MATERIALS OCCURS, THE CONTRACTOR SHALL CONTACT THE ENGINEER TO DETERMINE IF ADJUSTMENTS CAN BE MADE TO CORRECT THE IMBALANCE OF EARTH.

LEGEND

- STORM INLETS
- STORM MANHOLE
- UTILITY POLE
- WATER VALVE
- PHONE MANHOLE
- UTILITY PEDESTAL
- FIRE HYDRANT
- MANHOLE
- CLEAN OUT
- WATER METER
- LIGHT POLE
- BOLLARD
- ELECTRIC METER
- GAS METER
- PROPOSED DOWNSPOUT
- EXISTING ASPHALT
- EXISTING CONCRETE
- PROPOSED CONCRETE
- PROPOSED ASPHALT
- PROPOSED BUILDING
- 1' CONTOUR LINE
- 5' CONTOUR LINE
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- PROPERTY LINE
- ADJOINER/SECTION LINE
- RIGHT-OF-WAY LINE
- CENTERLINE
- SETBACK LINE
- EASEMENT
- EXISTING UNDERGROUND ELECTRIC LINES
- EXISTING OVERHEAD UTILITY LINES
- EXISTING UNDERGROUND PHONE
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER LINE
- SANITARY SEWER LINE
- STORM SEWER
- PROPOSED WATER LINE
- PROPOSED SANITARY LINE
- PROPOSED GAS LINE
- PROPOSED STORMWATER LINE
- PRIVACY/WOOD FENCE
- FLOW LINE
- GUARD RAIL

STRUCTURE DATA TABLE

No	RIM ELEV.	INV. IN	INV. OUT	STR. SIZE	STR. TYPE	CASTING	OUT	DIR.	NOTES & DETAILS
1	911.20'		907.95'	24" x 24"	MOD.TYPE A	R-3203-A	12"	E	DTL. ON C6.2
2	910.88'	907.73'	907.63'	24" x 24"	MOD.TYPE A	FLAT	15"	N	DTL. ON C6.2
3	910.50'	907.25'	907.15'	24" x 36"	MOD.TYPE A	R-3203-A	18"	SW	DTL. ON C6.2
4	911.38'	907.10'	906.77'	36" DIAM.	XC-3	SOLID	18"	SW	XCELLERATOR XC-3
5	912.40'			ADS SIZED	INSPECTION PORT				DTL. ON C6.3 & C6.4
6	911.17'	906.75'	906.67'	24" DIAM.	NYOPLAST	SOLID	18"	S	INL. MANIFOLD DTL. ON C6.3 & C6.4
7	911.18'	906.57'	906.07'	24" x 24"	MOD.TYPE A	SOLID (HS20)	12"	NW	SEE DETAILS ON C6.3
8	908.61'	905.96'	905.86'	24" x 24"	MOD.TYPE A	BEEHIVE	12"	N	DOGHOUSE SEE DTL. ON C6.2

STORM SEWER PIPE QUANTITIES

L.F.	SIZE	TYPE
20'	18"	RCP
128'	15"	RCP
92'	12"	RCP
254'	6"	HDPE

HOLEY MOLEY SAYS

"DIG SAFELY"

"IT'S THE LAW"

CALL BEFORE YOU DIG

811

KNOW WHAT'S BELOW

PER INDIANA STATE LAW IC8-1-26, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK. *CALL 1-800-382-5544 to schedule a locate request*

PROPOSED DRAINAGE PLAN

GRAPHIC SCALE

NORTH

0 20 30 40 60 100

(IN FEET)

1 inch = 20 ft.

APPROVAL PENDING NOT FOR CONSTRUCTION

ISSUE	DATE
CLIENT REVIEW	04-09-2021
DPR & PLAT SUBMITTAL	06-01-2021
TAC REVIEW COMMENTS	06-25-2021

KEELER-WEBB ASSOCIATES
Consulting Engineers - Planners - Surveyors
486 GRADLE DRIVE
CARMEL, INDIANA 46032
PHONE (317) 574-0140
FAX (317) 574-1269 odehart@keelerwebb.com

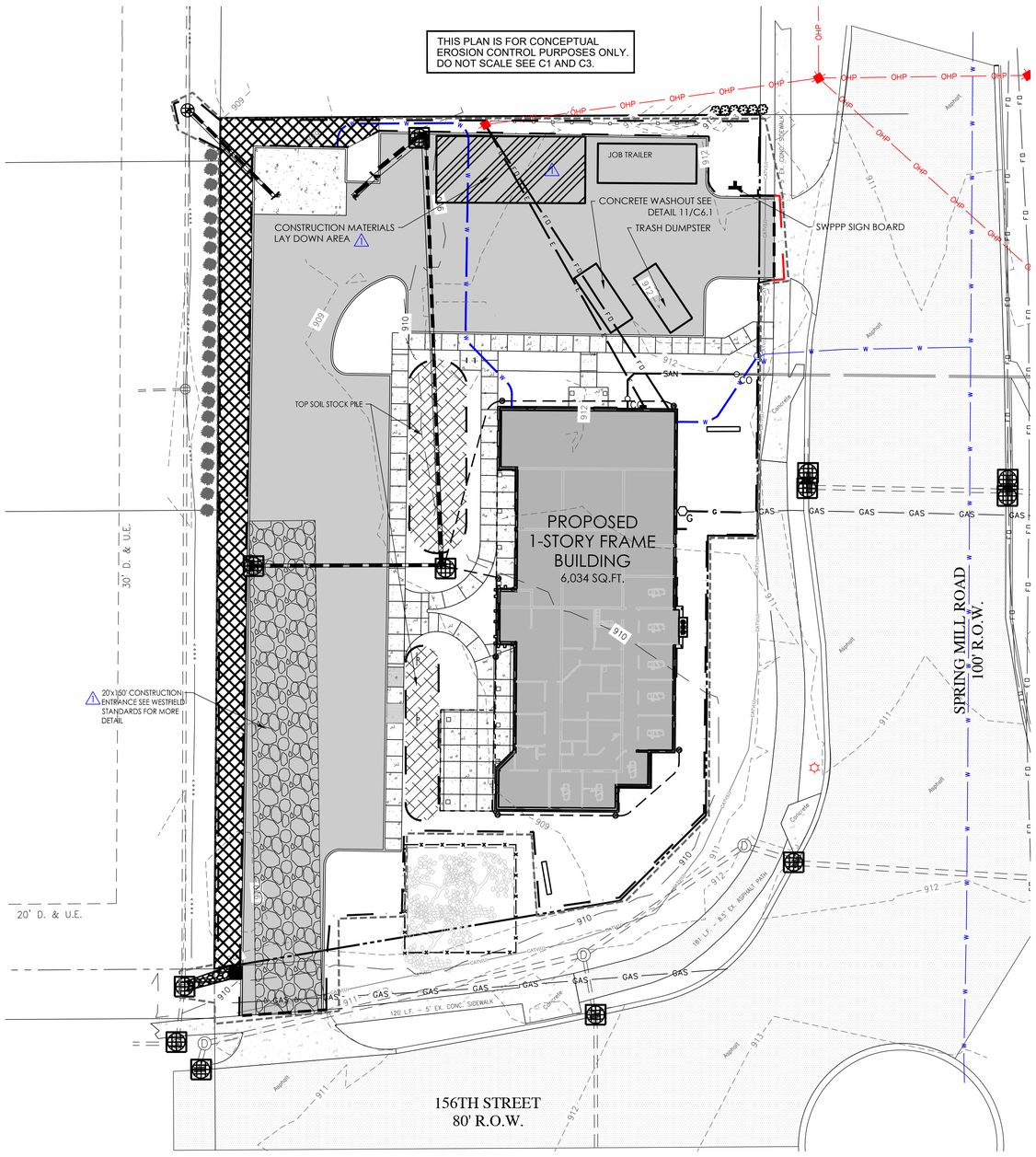
prince alexander
ARCHITECTURE | PLANNING | LANDSCAPE ARCHITECTURE | ECONOMIC DEVELOPMENT | INTERIOR DESIGN | PROJECT MANAGEMENT
850 SOUTH MERIDIAN ST. INDIANAPOLIS, IN
317-261-0070

PROPOSED BUILDING
COMPTON DENTAL
15626 SPRING MILL ROAD
WESTFIELD, IN 46074

DRAWN BY: TEN
CHECKED BY: ALD

PROJECT No.
2103-029

SHEET No.
C3



EROSION CONTROL PLAN MUST BE EXECUTED BEFORE ANY CONSTRUCTION COMMENCES
ALL EROSION CONTROL MATERIAL NEEDS TO BE APPROVED BY THE WPWD INSPECTORS PRIOR TO INSTALLATION
ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED IN THE FIELD BY THE WPWD INSPECTOR

CONTRACTOR MUST OBTAIN AND ADHERE TO "UTILITY AND INFRASTRUCTURE CONSTRUCTION STANDARDS AND SPECIFICATIONS" CHAPTERS 400 AND 500 FOR THE CITY OF WESTFIELD

PERSON RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES

CONTRACTOR

GARY FISCHER
535 KENTUCKY AVE
INDIANAPOLIS, IN 46225
317-832-1700
email: gfischer@midwestgc.com

EROSION LEGEND

- CONSTRUCTION LIMITS
- FILTER SOCK ON PAVEMENT SEE DETAIL 10/C6.1
- FILTER SOCK SEE DETAIL 9/C6.1
- TREE PROTECTION FENCE SEE DETAIL 2/C6.2
- PERMANENT SEEDING SEE DETAILS 1 & 2/C4
- EROSION BLANKETS SEE DETAIL SHEET C7
- CONSTRUCTION ENTRANCE SEE WESTFIELD STANDARDS FOR SPECIFICATIONS
- DROP INLET PROTECTION SEE SHEET C7 FOR DETAILS

SEEDBED PREPARATION
APPLY LIME TO RAISE THE pH TO THE LEVEL NEEDED FOR SPECIES BEING SEEDED. APPLY 23 POUNDS OF 12-12-12 ANALYSIS FERTILIZER (OR EQUIVALENT PER 1000 SQ. FT. (APPROXIMATELY 1000 POUNDS PER ACRE) OR FERTILIZE ACCORDING TO TEST.

APPLICATION OF 150 LBS. OF AMMONIUM NITRATE ON AREAS LOW IN ORGANIC MATTER AND FERTILITY WILL GREATLY ENHANCE VEGETATIVE GROWTH.

WORK THE FERTILIZER AND LIME INTO THE SOIL TO A DEPTH OF 2-3 INCHES WITH A HARROW, DISK OR RAKE OPERATED ACROSS THE SLOPE AS MUCH AS POSSIBLE.

SEEDING
SELECT A SEED MIXTURE BASED ON PROJECTED USE OF THE AREA WHILE CONSIDERING BEST SEEDING DATES. SEE TEMPORARY SEEDING. IF TOLERANCES ARE A PROBLEM, SUCH AS SALT TOLERANCE OF SEEDINGS ADJACENT TO STREETS AND HIGHWAYS.

PERMANENT SEED MIXTURES

SPECIES	lbs. / ACRE	lbs. / 1,000 s.f.	SUITABLE PH	DRY	WELL DRAINED	
LEVEL / SLOPING OPEN AREAS						
TALL FESCUE	35	0.8	5.5-8.3	2	1	2
TALL FESCUE	25	0.6	5.5-8.3		1	
(RED CLOVER)**	5	0.12				
KENTUCKY BLUEGRASS	15	0.4	5.5-7.5	2	1	
CREEPING RED FESCUE	15	0.4				
STEEP BANKS AND CUTS						
TALL FESCUE	15	0.4	5.8-7.5	2	1	2
KENTUCKY BLUEGRASS	25	0.6				
TALL FESCUE	35	0.8	5.5-8.3	2	1	
EMERALD CROWNVETCH**	10	0.25				
LAWNS / HIGH MAINTENANCE AREAS						
KENTUCKY BLUEGRASS	40	0.9	5.8-7.5	2	1	
CREPING RED FESCUE	40	0.9				
PERENNIAL RYEGRASS (TURF TYPE)	170	4.0	5.8-7.5		1	
TALL FESCUE	170	4.0	5.5-8.3	2	1	2

1 = PREFERRED 2 = WILL TOLERATE ** INOCULATE WITH SPECIFIC INOCULANT

TEMPORARY SEEDING

KIND OF SEED	PER 1000 sq. ft.	PER ACRE	REMARKS
WHEAT OR RYE	3.5 lbs.	2 bu.	COVER SEED 1" - 1 1/2" DEEP
SPRING OATS	2.3 lbs.	3 bu.	COVER SEED 1" DEEP
ANNUAL RYEGRASS	1 lbs.	40 lbs.	COVER SEED 1/4" DEEP*

* NOT NECESSARY WHERE MULCH IS APPLIED

SEED MIXTURES
NOT TO SCALE — 1 / C4

TEMPORARY SEEDING AND STABILIZATION DATES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
WHEAT / RYE												
OATS												
ANNUAL RYE GRASS												
PERMANENT SEEDING												
NON-IRRIGATED*												
IRRIGATED												
DORMANT**												

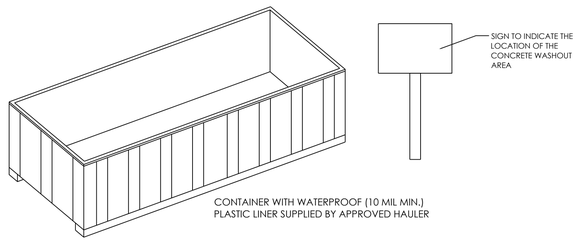
IRRIGATION NEEDED DURING JUNE AND JULY. TO CONTROL EROSION AT TIMES OTHER THAN IN THE SHADED AREAS, USE MULCH.

* LATE SUMMER SEEDING DATES MAY BE EXTENDED 5 DAYS IF MULCH IS APPLIED

** INCREASE SEEDING APPLICATION BY 50 % DURING DORMANT PERIODS.

NOTE: MULCHING REQUIRED WHEN ACTUAL CONDITIONS HAMPER THE ESTABLISHMENT OF GROUND COVER.

SEEDING SCHEDULE
NOT TO SCALE — 2 / C4



CONTAINER WITH WATERPROOF (10 MIL MIN.) PLASTIC LINER SUPPLIED BY APPROVED HAULER

NOTES:

* AN ESTIMATED CHART OF THE THE AMOUNT OF WATER PER DAY WILL BE ATTACHED TO SWPPP SHEET.
* SEE SITE PLAN FOR PLACEMENT OF CWO.
* THERE WILL BE NO BELOW GRADE SYSTEMS WITH THIS PROJECT.
* BOX WILL BE MONITORED DAILY BY FOREMAN TO PREVENT OVERFLOW OR OVERWEIGHT CONDITIONS. WHEN THE FREE BOARD GETS TO WITHIN 18" THE FOREMAN WILL CALL FOR REMOVAL.
* ALL WASHOUT SLURRY WILL BE TAKEN TO AN APPROVED DUMP SITE BY APPROVED HAULER.
* SEE ATTACHED SWPPP SHEET FOR CONTRACTORS EMERGENCY SPILL PROCEDURES FOR CONCRETE SPILLS.
* CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
* SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE. AT THE WASHOUT AREA. AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE TRUCKS, PUMPS RIGS AND CWO.
* THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
* AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED, FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.
* WHEN THE CONCRETE WASHOUT ARE IS REMOVED, THE DISTURBED AREA SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE INSPECTOR.

CONCRETE WASHOUT DETAIL
NOT TO SCALE — 3 / C4

EROSION CONTROL SEQUENCE SCHEDULE

1. PRECONSTRUCTION ACTIVITY:
   A. WORK AROUND AND LOCATE ALL EXISTING ABOVE AND BELOW GRADE UTILITY LINES: CONTACT INDIANA UNDERGROUND PLANT PROTECTION SERVICE ("HOLEY MOLEY") 1-800-382-5544.
   B. CONTACT PLAN REVIEWING/INSPECTION AGENCY(S).
   C. INSTALL SILT FENCE AROUND PERIMETER OF AREA(S) TO BE PROTECTED/PRESERVED.
   D. PROTECT AREAS SUITABLE FOR USE AS VEGETATIVE FILTER STRIPS.
2. CONSTRUCTION SITE ACCESS:
   A. INSTALL STABILIZED AGGREGATE CONSTRUCTION EXIT/ACCESS DRIVE TO PREVENT OR MINIMIZE TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADWAYS.
   B. PROVIDE STABILIZED OF CONSTRUCTION ROUTES, CONSTRUCTION VEHICLE STAGING AND MAINTENANCE AREAS, DESIGNATED EMPLOYEE PARKING AREAS, ETC., TO PREVENT OR MINIMIZE TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADWAYS.
3. PERIMETER CONTROLS:
   A. DIVERT STORMWATER RUNOFF FROM UP-SLOPE PROPERTIES AWAY FROM THE PROJECT SITE.
   B. INSTALL SEDIMENT TRAPS/BASINS AT LOCATIONS WHERE STORMWATER MAY DISCHARGE FROM PROJECT SITE.
   C. DIVERT STORM WATER RUNOFF AWAY FROM THE ACTIVE CONSTRUCTION ZONE.
4. INITIAL LAND CLEARING AND GRADING ACTIVITIES:
   A. CLEARING AND GRUBBING OF EXISTING VEGETATION
   B. STRIP AND STOCKPILE TOPSOIL
   C. INSTALL SILT FENCE AROUND PERIMETER OF TOPSOIL STOCKPILE AS SOON AS EARTHMOVING ACTIVITIES DEFINE THE AREA OF DISTURBANCE.
   D. STABILIZE TOPSOIL STOCKPILES ON THE DOWN SLOPE OF ACTIVE CONSTRUCTION.
5. SECONDARY LAND GRADING ACTIVITIES:
   A. CONSTRUCT PRIMARY SEDIMENT TRAPS AND BASINS DOWN SLOPE OF ACTIVE CONSTRUCTION ZONES.
   B. INSTALL AND STABILIZE OUTLETS FOR STORMWATER DRAINAGE SYSTEM WITH RIPRAP OUTLET PROTECTION STORM DRAIN OUTLETS, OPEN CHANNEL OUTLETS.
   C. INSTALL STORM SEWER SYSTEM ALONG WITH SEDIMENT BARRIERS AND SEDIMENT TRAPS/BASINS.
   D. PROTECT OF STORM DRAIN INLETS WITH DROP INLET PROTECTION AND/OR CURB INLET PROTECTION.
   E. STABILIZE AREAS DISTURBED FOR STORM SEWER INSTALLATION WITH TEMPORARY SEEDING AND MULCHING.
   F. CONSTRUCT DRAINAGE SWALES AND STABILIZE WITH PERMANENT SEEDING AND MULCHING FOR AREAS WHERE CONSTRUCTION OF DRAINAGE SWALES HAS BEEN COMPLETED.
   G. EXCAVATE SUBSOIL TO GRADES SHOWN ON PLANS.
   H. STABILIZE SOIL STOCKPILES WITH SEDIMENT BARRIERS/FILLERS, TEMPORARY SEEDING, AND MULCHING AROUND PERIMETER OF SOIL STOCKPILES.
6. TEMPORARY SURFACE STABILIZATION:
   A. STABILIZE ROUGH GRADED AREAS WITH TEMPORARY SEEDING AND MULCHING ON ALL ROUGH GRADED AREAS THAT WILL BE INACTIVE FOR A PERIOD OF SEVEN DAYS OR MORE.
   B. STABILIZATION OF AREAS AT FINAL GRADE WITH PERMANENT SEEDING AND MULCHING FOR DETENTION/RETENTION BASINS, DRAINAGE SWALES.
7. INSTALL PAVEMENT INFRASTRUCTURE:
   A. INSTALL SILT FENCE PRIOR TO THE INSTALLATION OF CURBS
   B. CUT IN AND CONSTRUCT PARKING LOT SUBGRADE/BASE.
   C. INSTALL LEVEL SPREADER, GRASS STRIPS & SWALE, PROVIDE PROTECTIVE MEASURES.
   D. INSTALL UTILITIES AND PROVIDE TEMPORARY SEEDING AND MULCHING.
8. BUILDING CONSTRUCTION:
   A. PROTECT EXISTING STORM DRAIN INLETS
   B. MAINTAIN AND STABILIZE SITE ACCESS WITH STABILIZED INGRESS/EGRESS ENTRANCE AT ALL POINTS WHERE VEHICLES ENTER AND EXIT THE SITE.
   C. MAINTAIN PERIMETER PROTECTION
   D. PROVIDE MAINTENANCE OF DRAINAGE SWALES/CHANNELS
   E. PERFORM EXCAVATION FOR FOUNDATION AND/OR FOOTINGS
   F. CONSTRUCT BUILDINGS/STRUCTURES
   G. PROVIDE DOWNSPOUT EXTENDERS ONCE DOWNSPOUTS AND GUTTERS ARE INSTALLED.
9. FINAL SHAPING/LANDSCAPING/STABILIZATION:
   A. PROVIDE APPLICATION OF TOPSOIL AND SOIL AMENDMENTS FOR ALL UNVEGETATED AREAS THAT ARE AT FINAL GRADE.
   B. PLANT TREES AND SHRUBS
   C. PROVIDE FINAL SITE STABILIZATION FOR ALL REMAINING UNVEGETATED AREAS.
10. MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES:
    A. REMOVE ALL TEMPORARY STORMWATER MANAGEMENT MEASURES AND STABILIZE ALL REMAINING UNVEGETATED AREAS DISTURBED WHEN REMOVING TEMPORARY STORMWATER MANAGEMENT MEASURES.

EROSION CONTROL BLANKET NOTES

1. ALL PERMANENT SLOPES SHALL BE SEEDED WITH A MIXTURE OF MULCH (3000 #) 1000 LBS. 12-12-12 FERTILIZER PER ACRE, AND RED FESCUE AT THE RATE OF 40 LBS. PER ACRE, AND 40 LBS. BLUE GRASS PER ACRE FROM MARCH 1 TO MAY 15 AND AUGUST 10 TO OCTOBER 15.
2. ALL SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CLEANING AND GRUBBING OPERATIONS AND SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
3. ALL SEDIMENT CONTROL MEASURES SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE PLANS AS APPROVED BY THE CITY OF WESTFIELD.
4. THE CONTRACTOR SHALL PROVIDE ADEQUATE EROSION PROTECTION MEASURES DURING CONSTRUCTION SUCH AS, BUT NOT LIMITED TO: SILTATION BASINS, SILT TRAPS, ROCK CHECK DAMS, SOIL CEMENT, MULCH AND SEEDING, SOIL STABILIZATION FABRIC, AND JUTE NETTING.
5. EROSION CONTROL BLANKET BY "NORTH AMERICAN GREEN" (OR EQUAL). ANCHOR ALL EROSION CONTROL BLANKETS AS REQUIRED PER MANUFACTURER NORTH AMERICAN GREEN 'S 150 BN' 100% BIODEGRADABLE (48" LONG) STAPLES SHALL BE 11 GAUGE U-SHAPED, 6" LONG, AND MINIMUM 1" CROWN. DRIVE STAPLES VERTICALLY INTO GROUND AND USE (4) STAPLES AT ENDS OF ROLL. FOR SLOPE INSTALLATION, STAPLE ALONG LENGTH OF ROLL AT 6 FOOT INTERVALS. FOR SWALE LINER, STAPLE ALONG LENGTH OF ROLL AT 4 FOOT INTERVALS. ANOTHER ROW OF STAPLES SHALL BE PLACED IN THE CENTER OF THE BLANKET ALTERNATELY SPACED FROM STAPLES AT EACH SIDE OF ROW.
6. ANY GRADES ESTABLISHED BETWEEN MAY 15 TO AUGUST 10 SHALL PROVIDE TEMPORARY SEEDING CONSISTING OF 40 LBS. PER ACRE OF ANNUAL RYE GRASS.
7. FOR ANY SEEDING THAT TAKES PLACE BETWEEN OCTOBER 15 TO MARCH 1, EITHER RYE OR WHEAT MAY BE SUBSTITUTED AND SPREAD AT 3 BUSHELS PER ACRE. IF GRAINS ARE USED THEY SHALL BE CUT AT THE TIME OF PERMANENT SEEDING. COVER SEED WITH MULCH 1 - 1-1/2" DEEP.
8. IF TEMPORARY SEEDING IS ESTABLISHED PRIOR TO PERMANENT SEEDING, THE MULCH MAY BE ELIMINATED EXCEPT FOR EXPOSED AREAS.

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811
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IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.
CALL 1-800-382-5544 to schedule a locate request

EROSION CONTROL PLAN
GRAPHIC SCALE

0 20 30 40 60 100

(IN FEET)
1 inch = 20 ft.

NORTH

APPROVAL PENDING NOT FOR CONSTRUCTION

ISSUE	DATE
CLIENT REVIEW	06-01-2021
TAC REVIEW COMMENTS	06-25-2021

KEELER-WEBB ASSOCIATES
Consulting Engineers-Planners-Surveyors
486 GRADLE DRIVE
CARMEL, INDIANA 46032
PHONE (317) 574-0140
FAX (317) 574-1269 odehort@keelerwebb.com

prince alexander
ARCHITECTURE | ENGINEERING | LAND PLANNING | LANDSCAPE ARCHITECTURE | ECONOMIC DEVELOPMENT | INTERIOR DESIGN | PROJECT MANAGEMENT
850 SOUTH MERIDIAN ST. INDIANAPOLIS, IN
317-261-0070

PROPOSED BUILDING
COMPTON DENTAL
15626 SPRING MILL ROAD
WESTFIELD, IN 46074

DRAWN BY: TEN
CHECKED BY: ALD

PROJECT No.
2103-029

SHEET No.
C4

STORMWATER POLLUTION PREVENTION PLAN NOTES

A1 PLAN INDEX PROVIDED ON THE COVER SHEET
A2 SITUATION PLAN DENOTING LOT NUMBERS, BOUNDARIES, AND STREETS IS PROVIDED ON THE COVER SHEET.
A3 PROJECT TYPE: THIS PROJECT INCLUDES AN DENTAL OFFICE/OFFICE BUILDING CONTAINING 6,034 SQ.FT. AND PARKING LOT ON A 0.88± ACRE SITE.
A4 VICINITY MAP: DENOTED ON COVER SHEET
A5 LEGAL DESCRIPTION OF PROJECT SITE: SEE ATTACHED PRIMARY PLAT AND/OR COVER SHEET.
A6 LOCATION OF ALL LOTS AND PROPOSED SITE IMPROVEMENTS: SEE SHEETS C1 TO L1.
A7 14 DIGIT HYDROLOGIC UNIT CODE: 05120201090060
A8 STATE OR FEDERAL WATER QUALITY PERMITS: NONE REQUIRED
A9 FOR SPECIFIC POINTS WHERE STORMWATER DISCHARGE WILL LEAVE THE SITE: THE STORMWATER LEAVES THIS PROJECT AT THE WEST VIA UNDERGROUND STORM STRUCTURS TO EXISTING RCP PIPING SENDING THE RUNOFF TO THE NORTH AND THEN TO THE WEST OF THE SITE. SEE SITE DEVELOPMENT PLAN SHEET C3 FOR MORE DETAIL.
A10 FOR LOCATION OF ALL WETLANDS, LAKES AND WATER COURSES ON AND ADJACENT TO SITE: BY GRAPHIC PLOTTING THE ABOVE DESCRIBED REAL ESTATE DOES NOT LIE WITHIN A DELINEATED WETLAND PER U.S. FISH & WILDLIFE WEBSITE https://www.fws.gov/wetlands/data/mapper.HTML
A11 RECEIVING WATERS: LITTLE EAGLE CREEK
A12 IDENTIFICATION OF POTENTIAL DISCHARGES TO GROUNDWATER: NONE FOUND ON THE SITE
A13 100 YEAR FLOODPLAINS, FLOODWAYS AND FLOOD FRINGES: THE SUBJECT PROPERTY DOES NOT LIE WITHIN A KNOWN FLOOD PLAIN (ZONE X) UNSHADED PER FEMA FLOOD INSURANCE RATE MAP NO. 18057C0120G, EFFECTIVE DATE NOVEMBER 19, 2014.
A14 PRE-CONSTRUCTION AND POST CONSTRUCTION PEAK DISCHARGE:
10 YEAR PRE-CONSTRUCTION PEAK DISCHARGE = 3 CFS
100 POST CONSTRUCTION PEAK DISCHARGE = 7 CFS
A15. ADJACENT LAND USE (SEE STORMWATER POLLUTION PREVENTION PLAN - PRECONSTRUCTION PLAN SHEET C2 FOR MORE INFORMATION):
NORTH: (DEVELOPED REAL ESTATE ZONED AG-SF1)
SOUTH: (DEVELOPED REAL ESTATE ZONED SF-3 CLUSTER)
EAST: (DEVELOPED REAL ESTATE ZONED SF-2)
WEST: (DEVELOPED REAL ESTATE ZONED SF-2)
A16. LOCATIONS AND APPROXIMATE BOUNDARIES OF ALL DISTURBED AREAS: SEE SHEETS *C1 - C4* FOR LOCATIONS:
A17 . IDENTIFICATION OF EXISTING VEGETATIVE COVER: SEE TOPOGRAPHIC SURVEY *C1*.
A18 . SOILS MAP INCLUDING DESCRIPTIONS AND LIMITATIONS: SEE SHEET *C1* FOR SOILS MAP, DESCRIPTION AND LIMITATIONS.
A19 . LOCATIONS, SIZE AND DIMENSIONS OF PROPOSED STORMWATER SYSTEMS: SEE SITE DEVELOPMENT PLAN SHEET C2 FOR PROPOSED STORM SEWER SYSTEM.
A20. LOCATIONS, SIZE AND DIMENSIONS OF ANY PROPOSED OFF-SITE CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT: (*NONE*)
A21. LOCATIONS OF SOIL STOCKPILES: *ALL TOPSOIL STOCKPILES ARE TEMPORARY, SINCE THE TOPSOIL WILL BE SPREAD AROUND THE SITE TO PROMOTE THE GROWTH OF GRASS IN ALL LANDSCAPED AREAS.*
A22. EXISTING SITE TOPOGRAPHY: SEE SHEET *C2* FOR EXISTING SITE TOPOGRAPHY.
A23 . PROPOSED FINAL TOPOGRAPHY: SEE SITE DEVELOPMENT PLAN SHEET *C3* FOR PROPOSED SITE GRADING AND DRAINAGE PATTERNS.
B1. DESCRIPTION OF POTENTIAL POLLUTANTS SOURCES ASSOCIATED WITH THE CONSTRUCTION ACTIVITIES: SILT AND SEDIMENT FROM EXPOSED SOILS, LEAVES, MULCH, VEHICULAR SOURCES SUCH AS LEAKING FUEL OR OIL, BRAKE FLUID, BRAKE DUST, TRASH, DEBRIS, BIOLOGICAL AGENTSTÛÏÈ FOUND IN TRASH, FERTILIZERS, HERBICIDES, PESTICIDES, ACID RAIN, LIME DUST, AND CONCRETE WASHOUT.
B2. SEQUENCING OF STORMWATER QUALITY IMPLEMENTATION RELATIVE TO LAND DISTURBANCE ACTIVITIES:

THIS PLAN HAS BEEN CREATED IN AN EFFORT TO ELIMINATE SEDIMENT FROM LEAVING THE PROJECT DURING CONSTRUCTION PROTECTING THE ADJOINING PROPERTIES AND THE (*LITTLE EAGLE CREEK*)

PRECONSTRUCTION ACTIVITIES

1. CALL THE INDIANA UNDERGROUND PLANT PROTECTION SYSTEMS, INC. ("HOLEY MOLEY") AT 1-800-382-5544 TO CHECK THE LOCATION OF ANY EXISTING UTILITIES. THEY SHOULD BE NOTIFIED TWO WORKING DAYS BEFORE CONSTRUCTION TAKES PLACE.
2. AN ORANGE CONSTRUCTION FENCE SHALL BE CONSTRUCTED ALONG THE PERIMETER OF ANY TREE PRESERVATION AREAS PRIOR TO ANY EARTH MOVING.
3. A SILT FENCE SHALL BE INSTALLED AT THE EDGES OF THE PROJECT SITE WHERE THERE IS POTENTIAL FOR ANY STORMWATER RUNOFF. POTENTIAL AREAS ARE IDENTIFIED BASED ON EXISTING TOPOGRAPHY IN THE AREAS OF THE FRONTAGE ALONG THE CUL-DE-SAC PROTECT IMPORTANT TREES AND ASSOCIATED ROOT ZONES. EVALUATE EXISTING VEGETATION SUITABLE FOR USE AS FILTER STRIPS ALONG THE NORTHERN PROPERTY LINE AND ALONG THE EASTERN PROPERTY LINE AT THE TOP OF BANK.
4. A CONSTRUCTION ENTRANCE SHALL BE PLACED PER THE PLAN LOCATION.
5. ESTABLISH CONSTRUCTION STAGING AREA FOR EQUIPMENT AND VEHICLES AS FAR FROM DETENTION PONDS AND SWALES AS POSSIBLE.
6. ESTABLISH ONSITE LOCATION FOR OWNER/OPERATOR/CONTRACTOR PLACEMENT OF APPROVED PLANS AND RULE 5 NOI AND RULE 5 INSPECTION DOCUMENTATION.

CONSTRUCTION ACTIVITIES:

1. ONCE EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE, BEGIN LAND CLEARING FOLLOWED IMMEDIATELY BY ROUGH GRADING. DO NOT LEAVE LARGE AREAS UNPROTECTED FOR MORE THAN 15 DAYS. RULE 5 REQUIRES THAT ALL DISTURBED AREAS THAT POTENTIALLY WILL BE IDLE FOR 15 DAYS OR MORE WILL BE STABILIZED (SEEDED, MULCHED, ETC.) IMMEDIATELY.
2. AFTER COMPLETION OF MASS GRADING, FINAL GRADE, AND SEED ALL DISTURBED AREAS, LANDSCAPE BERMS, COMMON AREAS AND SWALES IMMEDIATELY AFTER GRADING IS COMPLETED.
3. UPON COMPLETION OF MASS GRADING, INSTALL SANITARY AND STORM SEWERS. AS STORM SEWERS ARE CONSTRUCTED, INSTALL INLET PROTECTION MEASURES. .
4. ONCE PAVEMENT AND CURBS ARE IN PLACE, INSTALL INLET SEDIMENT BARRIERS.
5. ONCE INLET PROTECTION IS IN PLACE, FINAL GRADE ALL AREAS.

B3. STABLE CONSTRUCTION ENTRANCE LOCATION(S) AND SPECIFICATIONS. SEE STORMWATER POLLUTION PREVENTION PLAN SHEET *C4* FOR LOCATION AND SHEET *C5* FOR CONSTRUCTION ENTRANCE DETAILS AND SPECIFICATIONS.
B4. SEDIMENT CONTROL MEASURES FOR SHEET FLOW AREAS: SEE EROSION CONTROL PLAN SHEET *C4* FOR LOCATIONS OF SEDIMENT CONTROL MEASURERS AND SHEET *C5 & C6* CONSTRUCTION DETAILS AND SPECIFICATIONS.
B5. SEDIMENT CONTROL MEASURES FOR CONCENTRATED FLOW AREAS: SEE EROSION CONTROL PLAN SHEET *C4* FOR LOCATIONS OF SEDIMENT CONTROL MEASURES AND SHEET *C5 & C5* CONSTRUCTION DETAILS AND SPECIFICATIONS.
B6. STORM SEWER INLET PROTECTION MEASURES, LOCATIONS, AND SPECIFICATIONS: SEE EROSION CONTROL PLAN SHEET *C4* FOR LOCATIONS OF INLET PROTECTION MEASURES AND SHEET *C5 & C6* CONSTRUCTION DETAILS AND SPECIFICATIONS.
B7. RUNOFF CONTROL MEASURES: SEE EROSION CONTROL PLAN SHEET C4 FOR LOCATIONS OF RUNOFF CONTROL MEASURES AND SHEET *C5 & C6* CONSTRUCTION DETAILS AND SPECIFICATIONS.
B8. STORMWATER OUTLET PROTECTION SPECIFICATIONS: SEE EROSION CONTROL PLAN SHEET *C4* FOR LOCATIONS OF STORMWATER OUTLET CONTROL MEASURES AND SHEET *C5 & C6* CONSTRUCTION DETAILS AND SPECIFICATIONS.
B9. GRADE STABILIZATION STRUCTURE LOCATIONS AND SPECIFICATIONS: SEE EROSION CONTROL PLAN SHEET *C4* FOR LOCATIONS OF GRADE STABILIZATION CONTROL MEASURES AND SHEET *C5 & C6* CONSTRUCTION DETAILS AND SPECIFICATIONS.
B10. LOCATION, DIMENSIONS, SPECIFICATIONS AND CONSTRUCTION DETAILS OF EACH STORMWATER QUALITY MEASURE: SEE EROSION CONTROL PLAN SHEET *C4* FOR LOCATIONS OF VARIOUS STORMWATER QUALITY MEASURES AND SHEET *C5 & C6* CONSTRUCTION DETAILS AND SPECIFICATIONS.
B11. TEMPORARY SURFACE STABILIZATION METHODS APPROPRIATE FOR EACH SEASON: SEE EROSION CONTROL PLAN SHEET *C4* FOR LOCATIONS OF TEMPORARY SURFACE STABILIZATION MEASURES AND SHEET *C5 & C6* CONSTRUCTION DETAILS AND SPECIFICATIONS.
B12. PERMANENT SURFACE STABILIZATION SPECIFICATIONS: SEE EROSION CONTROL PLAN SHEET *C4* FOR LOCATIONS OF PERMANENT SURFACE STABILIZATION MEASURES AND SHEET *C5 & C6* CONSTRUCTION DETAILS AND SPECIFICATIONS.

B13. MATERIAL HANDLING AND SPILL PREVENTION PLAN:

PURPOSE
THE INTENTION OF THIS SPILL PREVENTION, CONTROL AND COUNTERMEASURES (SPCC) IS TO ESTABLISH THE PROCEDURES AND EQUIPMENT REQUIRED TO PREVENT THE DISCHARGE OF OIL AND HAZARDOUS SUBSTANCES IN QUANTITIES THAT VIOLATE APPLICABLE WATER QUALITY STANDARDS, CAUSE A SHEEN UPON OR DISCOLORATION OF THE SURFACE OF NAVIGABLE WATERS OR ADJOINING SHORELINES, OR CAUSE SLUDGE OR EMULSION TO BE DEPOSITED BENEATH THE SURFACE OF THE WATER OR ADJOINING SHORELINES. THE PLAN ALSO ESTABLISHES THE ACTIVITIES REQUIRED TO MITIGATE SUCH DISCHARGES (I.E. COUNTERMEASURES) SHOULD THEY OCCUR.
DEFINITIONS:
POLLUTANT: MEANS POLLUTANT OF ANY KIND OR IN ANY FORM, INCLUDING BUT NOT LIMITED TO SEDIMENT, PAINT, CLEANING AGENTS, CONCRETE WASHOUT, PESTICIDES, NUTRIENTS, TRASH, HYDRAULIC FLUIDS, FUEL, OIL, PETROLEUM, FUEL OIL, SLUDGE, OIL REFUSE, AND OIL MIXED WITH WASTES OTHER THAN DREDGED OIL.
DISCHARGE: INCLUDES BUT IS NOT LIMITED TO, ANY SPILLING, LEAKING, PUMPING, POURING, EMITTING, EMPTYING, OR DUMPING.
NAVIGABLE WATERS: MEANS ALL WATERS OF THE UNITED STATES THAT ARE A NAVIGABLE STREAM, LAKE, OR SEA (NOTE: THIS DEFINITION IS USUALLY INTERPRETED TO MEAN ANY WASTEWATER (EVEN NORMALLY DRY WASH OR STORM SEWER) THAT EVENTUALLY DRAINS INTO A NAVIGABLE STREAM).
PLAN REVIEW AND AMENDMENTS: THIS PLAN SHALL BE REVIEWED AND/OR AMENDED, IF NECESSARY, WHENEVER THERE IS A CHANGE IN THE DESIGN OF THE SITE, CONSTRUCTION, OPERATION, OR MAINTENANCE WHICH MATERIALLY AFFECTS THE SITE'S POTENTIAL FOR THE DISCHARGE OF A REGULATED MATERIAL.
PREDICTION OF POTENTIAL SPILLS:
1. NEAREST NAVIGABLE WATER: (WHITE RIVER)
2. DRAINAGE SYSTEM: (INSERT BRIEF NARRATIVE DESCRIPTION PROPOSED DRAINAGE SYSTEM I.E. "ALL STORM DRAINAGE LEAVES THE SITE BY CLOSED STORM SYSTEMS TO THE WEST TO STORM SEWER IN CROSSWIND COMMONS SUBDIVISION.
3. POSSIBLE SPILL SOURCES (DURING AND POST CONSTRUCTION): VEHICULAR SOURCES SUCH AS LEAKING FUEL OR OIL, BRAKE FLUID, GREASE, ANTIFREEZE; CONSTRUCTION TRASH AND DEBRIS, BIOLOGICAL AGENTS FOUND IN TRASH AND DEBRIS, FERTILIZERS, HOUSEHOLD ITEMS INCLUDING BUT NOT LIMITED TO CLEANING AGENTS, CHEMICALS, PAINT, HERBICIDES AND PESTICIDES.
4. GROUNDWATER CONTAMINATION:
THE FACILITY WILL NOT HAVE ANY ABOVE GROUND OR UNDERGROUND STORAGE TANKS AT THIS SITE. THEREFORE, IT IS FELT THAT THERE IS LITTLE OR NO POSSIBILITY OF POST CONSTRUCTION GROUNDWATER CONTAMINATION. THE FACILITY IS SERVED BY WESTFIELD CITIZENS WASTEWATER AND WATER SERVICES.

ALERT PROCEDURES FOR SPILLS:
1. ANY PERSONNEL OBSERVING A SPILL WILL IMMEDIATELY INSTIGATE THE FOLLOWING PROCEDURES:
A. DIALING "O" FROM ANY TELEPHONE
B. NOTIFY THE APPROPRIATE EMERGENCY PERSONNEL.
2. THE EMERGENCY COORDINATOR WILL THEN TAKE THE FOLLOWING ACTIONS:
A. BARRICADE THE AREAS ALLOWING NO VEHICLES TO ENTER OR LEAVE THE SPILL ZONE.
B. NOTIFY THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF EMERGENCY RESPONSE BY CALLING THE APPROPRIATE TELEPHONE NUMBER:
OFFICE - (317)-233-7745
TOLL FREE - (800)-233-7745 ALSO THE NATIONAL RESPONSE CENTER AT (800)-424-8802 AND PROVIDE THE FOLLOWING INFORMATION:
- TIME OF OBSERVATION OF THE SPILL
- LOCATION OF THE SPILL
- IDENTITY OF MATERIAL SPILLED
- PROBABLE SOURCE OF THE SPILL
- PROBABLE TIME OF THE SPILL
- VOLUME OF THE SPILL AND DURATION
- PRESENT AND ANTICIPATED MOVEMENT OF THE SPILL
- WEATHER CONDITIONS
- PERSONNEL AT THE SCENE
- ACTION INITIATED BY PERSONNEL
C. NOTIFY THE *WESTFIELD* FIRE DEPARTMENT: 9-1-1
D. NOTIFY THE *WESTFIELD* POLICE DEPARTMENT: 9-1-1
E. NOTIFY WASTE RECOVERY CONTRACTOR, MAINTENANCE PERSONNEL OR OTHER CONTRACTUAL PERSONNEL AS NECESSARY FOR CLEAN-UP.
F. COORDINATE AND MONITOR CLEAN-UP UNTIL THE SITUATION HAS BEEN STABILIZED AND ALL SPILLS HAVE BEEN ELIMINATED.
G. COOPERATE WITH THE IDEM-OER ON PROCEDURES AND REPORTS INVOLVED WITH THE EVENT.
CLEANUP PARAMETERS:
1. THE DEVELOPER/OWNERS SHALL BE CONTINUOUSLY KEPT INFORMED, MAINTAIN LISTS OF QUALIFIED CONTRACTORS AND AVAILABLE VAC-TRUCKS, TANK PUMPERS AND OTHER EQUIPMENT READILY ACCESSIBLE FOR CLEAN-UP OPERATIONS. IN ADDITION, A CONTINUALLY UPDATED LIST OF AVAILABLE ABSORBENT MATERIALS AND CLEAN-UP SUPPLIES SHOULD BE KEPT ON SITE.
2. ALL MAINTENANCE PERSONNEL SHALL BE MADE AWARE OF TECHNIQUES FOR PREVENTION OF SPILLS. THEY SHALL BE INFORMED OF THE REQUIREMENTS AND PROCEDURES OUTLINED IN THIS PLAN. THEY SHALL BE KEPT ABREAST OF CURRENT DEVELOPMENTS OR NEW INFORMATION ON THE PREVENTION OF SPILLS AND/OR NECESSARY ALTERATIONS TO THIS PLAN.
3. WHEN SPILLS OCCUR WHICH COULD ENDANGER HUMAN LIFE AND THIS BECOMES PRIMARY CONCERN, THE DISCHARGE OF THE LIFE SAVING PROTECTION FUNCTION WILL BE CARRIED OUT BY THE LOCAL POLICE AND FIRE DEPARTMENTS.
4. ABSORBENT MATERIALS, WHICH ARE USED IN CLEANING UP SPILLED MATERIALS, WILL BE DISPOSED OF IN A MANNER SUBJECT TO THE APPROVAL OF THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.
5. FLUSHING OF SPILLED MATERIAL WITH WATER WILL NOT BE PERMITTED UNLESS SO AUTHORIZED BY THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OR THE LOCAL EMERGENCY RESPONSE AGENCY.

B14. MONITORING AND MAINTENANCE GUIDELINES FOR POLLUTION PREVENTION MEASURES:
SILT SOCK MAINTENANCE REQUIREMENTS
1. INSPECTION OF THE SILT SOCK PERIODICALLY AND AFTER EACH STORM EVENT.
2. IF SOCK FABRIC TEARS, STARTS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED PORTION IMMEDIATELY.
3. REMOVE DEPOSITED SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE SOCK AT ITS LOWEST POINT OR IS CAUSING THE FABRIC TO BULGE.
4. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
5. AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE THE FENCE AND SEDIMENT DEPOSITS, BRING THE DISTURBED AREA TO GRADE AND STABILIZE IT.
TEMPORARY SEDIMENT TRAP MAINTENANCE REQUIREMENTS
1. INSPECT TEMPORARY SEDIMENT TRAPS AFTER EACH STORM EVENT AND IMMEDIATELY REPAIR ANY EROSION AND PIPING HOLES.
2. REMOVE SEDIMENT WHEN IT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH.
3. REPLACE SPILLWAY GRAVEL FACING WHEN CLOGGED.
4. INSPECT VEGETATION AND RE-SEED IF NECESSARY.
5. CHECK THE SPILLWAY DEPTH PERIODICALLY TO INSURE A MINIMUM OF 1.5 FT. DEPTH FROM THE LOWEST POINT OF THE SETTLED EMBANKMENT TO HIGHEST POINT OF THE SPILLWAY CREST AND FILL ANY LOW AREAS TO MAINTAIN DESIRED ELEVATION.
6. PROMPTLY REPLACE ANY DISPLACED RIP-RAP, BEING CAREFUL THAT NO STONES IN THE SPILLWAY ARE ABOVE DESIGN GRADE.
7. AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, REMOVE THE STRUCTURE AND SEDIMENT, GRADE THE SITE TO BLEND WITH ADJOINING AREAS AND STABILIZE IT.
TEMPORARY INLET PROTECTION MAINTENANCE REQUIREMENTS
1. INSPECT FREQUENTLY FOR DAMAGE BY VEHICULAR TRAFFIC AND REPAIR IF NECESSARY.
2. INSPECT AFTER EACH STORM EVENT.
3. REMOVE SEDIMENT, WITHOUT FLUSHING, WHEN IT REACHES HALF THE HEIGHT OF THE BARRIER.
4. DEPOSIT REMOVED SEDIMENT WHERE IT WILL NOT ENTER STORM SEWER DRAINS.
EROSION CONTROL BLANKET (SURFACE APPLIED) MAINTENANCE REQUIREMENTS
1. DURING VEGETATIVE ESTABLISHMENT, INSPECT AFTER EACH STORM EVENT FOR ANY EROSION BELOW THE BLANKET.
2. IF ANY AREA(S) SHOWS EROSION, PULL BACK THAT PORTION OF THE BLANKET COVERING IT, RE-SEED THE AREA AND RELAY AND STAPLE THE BLANKET.
3. AFTER VEGETATIVE ESTABLISHMENT CHECK THE TREATED AREA PERIODICALLY.
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE MAINTENANCE REQUIREMENTS
1. INSPECT ENTRANCE PAD AND SEDIMENT DISPOSAL AREA WEEKLY AND AFTER STORM EVENTS OR HEAVY USE.
2. RESHAPE AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
3. TOPDRESS WITH CLEAN STONE AS NEEDED.
4. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO STREETS BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED IF THE WATER IS CONVEYED INTO A SEDIMENT TRAP OR BASIN.
5. REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY.

B15. EROSION & SEDIMENT CONTROL SPECIFICATIONS FOR INDIVIDUAL BUILDING LOTS: SEE SHEET *C6 & C7* FOR CONSTRUCTION DETAILS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL ON INDIVIDUAL BUILDING LOTS NOT INCLUDED IN THIS PHASE OF THE PROJECT.

C1. DESCRIPTION OF POLLUTANTS AND THEIR SOURCES ASSOCIATED WITH THE PROPOSED LAND USE: SILT AND SEDIMENT FROM EXPOSED SOILS, LEAVES, MULCH, VEHICULAR SOURCES SUCH AS LEAKING FUEL OR OIL, BRAKE FLUID, BRAKE DUST, GREASE, ANTIFREEZE, METALS, RUBBER FRAGMENTS, ROAD GRIT, SALTS AND SANDS, CONSTRUCTION TRASH AND DEBRIS, FERTILIZERS, HOUSEHOLD ITEMS INCLUDING BUT NOT LIMITED TO CLEANING AGENTS, CHEMICALS, PAINT, MISCELLANEOUS HOME IMPROVEMENT MATERIALS, TOYS AND CLOTHING AND ANIMAL WASTE, ELEVATED STORM RUNOFF TEMPERATURES, ACID RAIN PESTICIDES AND PATHOGENS.

C2. SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLEMENTATION:
1. INSPECT AND MAINTAIN ALL EROSION CONTROL MEASURES AS DETAILED IN THE STORMWATER POLLUTION PREVENTION MEASURES MAINTENANCE REQUIREMENTS BEGINNING IMMEDIATELY AFTER INSTALLATION AND CONTINUING UNTIL VEGETATION HAS BEEN SUFFICIENTLY ESTABLISHED AND ALL CONSTRUCTION ACTIVITY IS COMPLETE.
2. REMOVE ALL INDIVIDUAL INLET PROTECTION AND STRAW BALE DAMS, SILT FENCES ETC. ONLY AFTER SEEDING AND SUFFICIENT VEGETATION GROWTH HAS BEEN ESTABLISHED IN EACH AREA TO A POINT WHERE SEDIMENT/POLLUTANTS WILL NOT ENTER THE DRAINAGE OR STORM SEWER SYSTEM.
3. INSPECTION AND MAINTENANCE OF ALL COMMON AREAS OR RIGHT-OF-WAY AND INFRASTRUCTURE IMPROVEMENTS IS THE RESPONSIBILITY OF THE OWNER/DEVELOPER OR HIS DESIGNEE UNTIL IMPROVEMENTS ARE ACCEPTED FOR MAINTENANCE BY OWNERS ASSOCIATION OR LOCAL AGENCIES.
4. INSPECTION AND MAINTENANCE OF INDIVIDUAL LOTS IS THE RESPONSIBILITY OF THE BUILDER OR HIS DESIGNEE UNTIL THE OWNER BUYS AND THEREBY ACCEPTS RESPONSIBILITY FOR THE INDIVIDUAL LOT.

C3. DESCRIPTION OF PROPOSED POST CONSTRUCTION STORMWATER QUALITY MEASURES: SITE AND FACILITY DESIGN FOR STORMWATER QUALITY PROTECTION ON THIS SITE EMPLOYS A MULTI-LEVEL STRATEGY CONSISTING OF:
1. REDUCING OR ELIMINATING POST-PROJECT RUNOFF.
2. CONTROLLING SOURCES OF POLLUTANTS.
3. AND IF NEEDED, TREATING CONTAMINATED STORMWATER RUNOFF BEFORE DISCHARGING IT INTO THE STORM SEWER SYSTEM OR RECEIVING WATERS.
TYPICAL STORMWATER QUALITY MEASURES FOR REDUCING, ELIMINATING OR CONTROLLING POLLUTANTS (SOURCE CONTROLS) INCLUDE:
A. *THIS SITES STORMWATER IS DISCHARGED TO SWQU AND UNDERGROUND DETENTION WHICH OUTLETS.*
B. *ALL DIRECT RUNOFF FROM IMPERVIOUS AREAS ARE CONVEYED TO SWQU AND UNDERGROUND DETENTION PRIOR TO LEAVING THE SITE.*
C. *THIS SITE UTILIZES SWQU AND UNDERGROUND DETENTION WHICH FUNCTION AS THE BMP'S.*
D. *SEE SHEETS C4-7 AND L1 FOR PERMANENT SEEDING, TEMPORARY SEEDING, AND LANDSCAPING PLANTINGS IN ALL VEGETATED AREAS NOT OCCUPIED BY BUILDINGS, PARKING OR OTHER SIMILAR IMPROVEMENTS TO THE SITE.*
E. *ALL IMPERVIOUS AREAS ARE SHEET DRAINED TO STORM SEWER.*
F. *SLOPE PROTECTION OF THE SWALES IS PROVIDED BY EROSION CONTROL BLANKETS INSTALLED PER MANUFACTURERS RECOMMENDATION. IN ANY AREAS WHERE EROSION TAKES PLACE AND THE EROSION CONTROL BLANKETS ARE NOT SUFFICIENT, THE CONTRACTOR SHALL INSTALL 6" RIP-RAP AS ADDITIONAL SLOPE ARMOURMENT TO MAINTAIN THE GRADIENT AND SHAPE OF THE SWALES.*
G. *SEE SHEETS C4-C7 AND L1 FOR ALL REQUIRED MULCHING OF PERMANENT SEEDING, TEMPORARY SEEDING, AND LANDSCAPED AREAS ON THE SITE.*

C4. LOCATION, DIMENSIONS, SPECIFICATIONS AND CONSTRUCTION DETAILS OF STORMWATER QUALITY MEASURES: SEE EROSION CONTROL PLAN SHEET *C4* FOR LOCATIONS OF PERMANENT STORMWATER QUALITY MEASURES AND SHEET *C6, C7.1 & C7.2* CONSTRUCTION DETAILS AND SPECIFICATIONS.

C5. DESCRIPTION OF MAINTENANCE GUIDELINES FOR PROPOSED WATER QUALITY MEASURES: SEE OWNERS BMP OPERATIONS AND MAINTENANCE MANUAL.

ADDITIONAL STORMWATER POLLUTION PREVENTION MEASURES:

VEHICLE & EQUIPMENT MAINTENANCE

DESCRIPTION AND PURPOSE

PREVENT OR REDUCE THE CONTAMINATION OF STORMWATER RESULTING FROM VEHICLE AND EQUIPMENT MAINTENANCE BY RUNNING A "DRY AND CLEAN SITE". THE BEST OPTION WOULD BE TO PERFORM MAINTENANCE ACTIVITIES AT AN OFFSITE FACILITY. IF THIS OPTION IS NOT AVAILABLE THEN WORK SHOULD BE PERFORMED IN DESIGNATED AREAS ONLY, WHILE PROVIDING COVER FOR MATERIALS STORED OUTSIDE, CHECKING FOR LEAKS AND SPILLS, AND CONTAINING AND CLEANING UP SPILLS IMMEDIATELY.

SUITABLE APPLICATIONS

THESE PROCEDURES ARE SUITABLE ON ALL CONSTRUCTION PROJECTS WHERE AN ONSITE YARD AREA IS NECESSARY FOR STORAGE AND MAINTENANCE OF HEAVY EQUIPMENT AND VEHICLES.

LIMITATIONS

ONSITE VEHICLE AND EQUIPMENT MAINTENANCE SHOULD ONLY BE USED WHERE IT IS IMPRACTICAL TO SEND VEHICLES AND EQUIPMENT OFFSITE FOR MAINTENANCE AND REPAIR. SENDING VEHICLES/EQUIPMENT OFFSITE SHOULD BE DONE IN CONJUNCTION WITH A STABILIZED CONSTRUCTION ENTRANCE/EXIT. OUTDOOR VEHICLE OR EQUIPMENT MAINTENANCE IS A POTENTIALLY SIGNIFICANT SOURCE OF STORMWATER POLLUTION. ACTIVITIES THAT CAN CONTAMINATE STORMWATER INCLUDE ENGINE REPAIR AND SERVICE, CHANGING OR REPLACEMENT OF FLUIDS, AND OUTDOOR EQUIPMENT STORAGE AND PARKING (FLUID LEAKS).

IMPLEMENTATION

IF MAINTENANCE MUST OCCUR ONSITE, USE DESIGNATED AREAS, LOCATED AWAY FROM DRAINAGE COURSES. DEDICATED MAINTENANCE AREAS SHOULD BE PROTECTED FROM STORMWATER RUNON AND RUNOFF, AND SHOULD BE LOCATED AT LEAST 50 FEET FROM DOWNSTREAM DRAINAGE FACILITIES AND WATERCOURSES.

DRIP PANS OR ABSORBENT PADS SHOULD BE USED DURING VEHICLE AND EQUIPMENT MAINTENANCE WORK THAT INVOLVES FLUIDS, UNLESS THE MAINTENANCE WORK IS PERFORMED OVER AN IMPERMEABLE SURFACE IN A DEDICATED MAINTENANCE AREA.

PLACE A STOCKPILE OF SPILL CLEANUP MATERIALS WHERE IT WILL BE READILY ACCESSIBLE.

ALL FUELING TRUCKS AND FUELING AREAS ARE REQUIRED TO HAVE SPILL KITS AND/OR USE OTHER SPILL PROTECTION DEVICES.

USE ABSORBENT MATERIALS ON SMALL SPILLS. REMOVE THE ABSORBENT MATERIALS PROMPTLY AND DISPOSE OF PROPERLY.

INSPECT ONSITE VEHICLES AND EQUIPMENT DAILY AT STARTUP FOR LEAKS AND REPAIR IMMEDIATELY.

KEEP VEHICLES AND EQUIPMENT CLEAN; DO NOT ALLOW EXCESSIVE BUILD-UP OF OIL AND GREASE.

SEGREGATE AND RECYCLE WASTES, SUCH AS GREASES, USED OIL OR OIL FILTERS, ANTIFREEZE, CLEANING SOLUTIONS, BATTERIES, HYDRAULIC AND TRANSMISSION FLUIDS. PROVIDE SECONDARY CONTAINMENT AND COVERS FOR THESE MATERIALS IF STORED ONSITE.

TRAIN EMPLOYEES AND SUBCONTRACTORS IN PROPER MAINTENANCE AND SPILL CLEANUP PROCEDURES.

DRIP PANS OR PLASTIC SHEETING SHOULD BE PLACED UNDER ALL VEHICLES AND EQUIPMENT PLACED ON DOCKS, BARGES, OR OTHER STRUCTURES OVER WATER BODIES WHEN THE VEHICLE OR EQUIPMENT IS PLANNED TO BE IDLE FOR MORE THAN 1 HOUR.

PROPERLY DISPOSE OF USED OILS, FLUIDS, LUBRICANTS AND SPILL CLEANUP MATERIALS.

DO NOT PLACE USED OIL IN A DUMPSTER OR POUR INTO A STORM DRAIN OR WATERCOURSE.

PROPERLY DISPOSE OF OR RECYCLE USED BATTERIES.

DO NOT BURY USED TIRES.

REPAIR LEAKS OF FLUIDS AND OIL IMMEDIATELY.

LISTED BELOW IS FURTHER INFORMATION IF YOU MUST PERFORM VEHICLE OR EQUIPMENT MAINTENANCE ONSITE.

INSPECTION AND MAINTENANCE

INSPECT AND VERIFY THAT BMPS ARE IN PLACE PRIOR TO THE COMMENCEMENT OF ASSOCIATED ACTIVITIES. WHILE ACTIVITIES ASSOCIATED WITH THE BMP ARE UNDER WAY, INSPECT WEEKLY TO VERIFY CONTINUED BMP IMPLEMENTATION.

KEEP AMPLE SUPPLIES OF SPILL CLEANUP MATERIALS ONSITE.

MAINTAIN WASTE FLUID CONTAINERS IN LEAK PROOF CONDITION.

VEHICLES AND EQUIPMENT SHOULD BE INSPECTED ON EACH DAY OF USE. LEAKS SHOULD BE REPAIRED IMMEDIATELY OR THE PROBLEM VEHICLE(S) OR EQUIPMENT SHOULD BE REMOVED FROM THE PROJECT SITE.

INSPECT EQUIPMENT FOR DAMAGED HOSES AND LEAKY GASKETS ROUTINELY. REPAIR OR REPLACE AS NEEDED.

VEHICLE AND EQUIPMENT FUELING

DESCRIPTION AND PURPOSE

VEHICLE EQUIPMENT FUELING PROCEDURES AND PRACTICES ARE DESIGNED TO PREVENT FUEL SPILLS AND LEAKS, AND REDUCE OR ELIMINATE CONTAMINATION OF STORMWATER. THIS CAN BE ACCOMPLISHED BY USING OFFSITE FACILITIES, FUELING IN DESIGNATED AREAS ONLY, ENCLOSING OR COVERING STORED FUEL, IMPLEMENTING SPILL CONTROLS, AND TRAINING EMPLOYEES AND SUBCONTRACTORS IN PROPER FUELING PROCEDURES.

LIMITATIONS

ONSITE VEHICLE AND EQUIPMENT FUELING SHOULD ONLY BE USED WHERE IT IS IMPRACTICAL TO SEND VEHICLES AND EQUIPMENT OFFSITE FOR FUELING. SENDING VEHICLES AND EQUIPMENT OFFSITE SHOULD BE DONE IN CONJUNCTION WITH A STABILIZED CONSTRUCTION ENTRANCE/EXIT.

IMPLEMENTATION

USE OFFSITE FUELING STATIONS AS MUCH AS POSSIBLE. THESE BUSINESSES ARE BETTER EQUIPPED TO HANDLE FUEL AND SPILLS PROPERLY. PERFORMING THIS WORK OFFSITE CAN ALSO BE ECONOMICAL BY ELIMINATING THE NEED FOR SEPARATE FUELING AREA AT A SITE.

DISCOURAGE "TOPPING-OFF" OF FUEL TANKS.

ABSORBENT SPILL CLEANUP MATERIALS AND SPILL KITS SHOULD BE AVAILABLE IN FUELING AREAS AND ON FUELING TRUCKS, AND SHOULD BE DISPOSED OF PROPERLY AFTER USE.

DRIP PANS OR ABSORBENT PANS SHOULD BE USED DURING VEHICLE AND EQUIPMENT FUELING, UNLESS THE FUELING IS PERFORMED OVER AN IMPERMEABLE SURFACE IN A DEDICATED FUELING AREA.

USE ABSORBENT MATERIALS ON SMALL SPILLS. DO NOT HOSE DOWN OR BURY THE SPILL. REMOVE THE ABSORBENT MATERIALS PROMPTLY AND DISPOSE OF PROPERLY.

AVOID MOBILE FUELING OF MOBILE CONSTRUCTION EQUIPMENT AROUND THE SITE; RATHER, TRANSPORT THE EQUIPMENT TO DESIGNATED FUELING AREAS.

TRAIN EMPLOYEES AND SUBCONTRACTORS IN PROPER FUELING AND CLEANUP PROCEDURES.

DEDICATED FUELING AREAS SHOULD BE PROTECTED FROM STORMWATER RUNON AND RUNOFF, AND SHOULD BE LOCATED AT LEAST 50 FT. AWAY FROM DOWNSTREAM DRAINAGE FACILITIES AND WATERCOURSES. FUELING MUST BE PERFORMED ON LEVEL-GRADE AREAS.

PROTECT FUELING AREAS WITH BERMS AND DIKES TO PREVENT RUNON, RUNOFF, AND TO CONTAIN SPILLS.

NOZZLES USED IN VEHICLES AND EQUIPMENT FUELING SHOULD BE EQUIPPED WITH AN AUTOMATIC SHUTOFF TO CONTROL DRIPS, FUELING OPERATIONS SHOULD NOT BE LEFT UNATTENDED.

INSPECTION AND MAINTENANCE

VEHICLES AND EQUIPMENT SHOULD BE INSPECTED EACH DAY OF USE FOR LEAKS. LEAKS SHOULD BE REPAIRED IMMEDIATELY OR PROBLEM VEHICLES OR EQUIPMENT SHOULD BE REMOVED FROM THE PROJECT SITE.

KEEP AMPLE SUPPLIES OF SPILL CLEANUP MATERIALS ONSITE.

IMMEDIATELY CLEAN UP SPILLS AND PROPERLY DISPOSE OF CONTAMINATED SOIL AND CLEANUP MATERIALS.

SOLID WASTE MANAGEMENT

DESCRIPTION AND PURPOSE

SOLID WASTE MANAGEMENT PROCEDURES AND PRACTICES ARE DESIGNED TO PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORMWATER FROM SOLID OR CONSTRUCTION WASTE BY PROVIDING DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS, ARRANGING FOR REGULAR DISPOSAL, AND TRAINING EMPLOYEES AND SUBCONTRACTORS.

SUITABLE APPLICATIONS

THIS BMP IS SUITABLE FOR CONSTRUCTION SITES WHERE THE FOLLOWING WASTES ARE GENERATED OR STORED:

1. SOLID WASTE GENERATED FROM TREES AND SHRUBS REMOVED DURING LAND CLEARING, DEMOLITION OF EXISTING STRUCTURES (RUBBLE), AND BUILDING CONSTRUCTION.
2. PACKAGING MATERIALS INCLUDING WOOD, PAPER AND PLASTIC.
3. SCRAP OR SURPLUS BUILDING MATERIALS INCLUDING SCRAP METALS, RUBBER, PLASTIC, GLASS PIECES AND MASONRY PRODUCTS.
4. DOMESTIC WASTES INCLUDING FOOD CONTAINERS SUCH AS BEVERAGE CANS, COFFEE CUPS, PAPER BAGS, PLASTIC WRAPPERS, AND CIGARETTES.
5. CONSTRUCTION WASTES INCLUDING BRICK, MORTAR, TIMBER, STEEL AND METAL SCRAPS, PIPE AND ELECTRICAL CUTTINGS, NON-HAZARDOUS EQUIPMENT PARTS, STYROFOAM AND OTHER MATERIALS, TRANSPORT AND PACKAGE CONSTRUCTION MATERIALS.

IMPLEMENTATION

THE FOLLOWING STEPS WILL HELP KEEP A CLEAN SITE AND REDUCE STORMWATER POLLUTION:

SELECT DESIGNATED WASTE COLLECTION AREAS ONSITE.

INFORM TRASH-HAULING CONTRACTORS THAT YOU WILL ACCEPT ONLY WATERTIGHT DUMPSTERS FOR ONSITE USE.

INSPECT DUMPSTERS FOR LEAKS AND CONTACT THE TRASH HAULING CONTRACTOR TO REPAIR ANY DUMPSTER THAT IS NOT WATERTIGHT.

PROVIDE AN ADEQUATE NUMBER OF CONTAINERS WITH LIDS OR COVERS THAT CAN BE PLACED OVER THE CONTAINER TO KEEP RAIN OUT OR TO PREVENT LOSS OF WASTES WHEN IT IS WINDY.

PLAN FOR ADDITIONAL CONTAINERS AND MORE FREQUENT PICKUP DURING THE DEMOLITION PHASE OF CONSTRUCTION.

COLLECT SITE TRASH DAILY, ESPECIALLY DURING RAINY AND WINDY CONDITIONS.

REMOVE THIS SOLID WASTE PROMPTLY SINCE EROSION AND SEDIMENT CONTROL DEVICES TEND TO COLLECT LITTER.

MAKE SURE THAT TOXIC LIQUID WASTES (USED OILS, SOLVENTS, AND PAINTS) AND CHEMICALS (ACIDS, PESTICIDES, ADDITIVES, CURLING COMPOUNDS) ARE NOT DISPOSED OF IN DUMPSTERS DESIGNATED FOR CONSTRUCTION DEBRIS.

DO NOT HOSE OUT DUMPSTERS ON THE CONSTRUCTION SITE. LEAVE DUMPSTER CLEANING TO THE TRASH HAULING CONTRACTOR OFFSITE.

ARRANGE FOR REGULAR WASTE COLLECTION BEFORE CONTAINER OVERFLOW.

CLEAN UP IMMEDIATELY IF A CONTAINER DOES SPILL.

MAKE SURE THAT CONSTRUCTION WASTE IS COLLECTED, REMOVED, AND DISPOSED OF ONLY AT AUTHORIZED DISPOSAL AREAS.

COLLECTION STORAGE AND DISPOSAL

LITTERING ON THE PROJECT SITE SHOULD BE PROHIBITED.

TO PREVENT CLOGGING OF THE STORM DRAINAGE SYSTEM, LITTER AND DEBRIS REMOVAL FROM DRAINAGE GRATES, TRASH ROCKS AND DITCH LINES SHOULD BE A PRIORITY.

TRASH RECEPTACLES SHOULD BE PROVIDED AND LOCATED BY THE GENERAL CONTRACTOR AND INSTRUCT ALL PERSONNEL ON SITE TO PROPERLY USE THE APPROPRIATE TRASH RECEPTACLE.

LITTER FROM WORK AREAS WITHIN THE CONSTRUCTION LIMITS OF THE PROJECT SITE SHOULD BE COLLECTED AND PLACED IN WATERTIGHT DUMPSTERS AT LEAST WEEKLY, REGARDLESS OF WHETHER THE LITTER WAS GENERATED BY THE CONTRACTOR, THE PUBLIC, OR OTHERS. COLLECTED LITTER AND DEBRIS SHOULD NOT BE PLACED IN OR NEXT TO DRAIN INLETS, STORMWATER DRAINAGE SYSTEMS, OR WATERCOURSES.

DUMPSTERS OF SUFFICIENT SIZE AND NUMBER SHOULD BE PROVIDED TO CONTAIN THE SOLID WASTE GENERATED BY THE PROJECT.

FULL DUMPSTERS SHOULD BE REMOVED FROM THE PROJECT SITE AND THE CONTENTS SHOULD BE DISPOSED OF BY THE TRASH HAULING CONTRACTOR.

CONSTRUCTION DEBRIS AND WASTE SHOULD BE REMOVED FROM THE SITE BIWEEKLY OR MORE FREQUENTLY AS NEEDED.

STORMWATER RUNOFF SHOULD BE PREVENTED FROM CONTACTING STORED SOLID WASTE THROUGH THE USE OF BERMS, DIKES, OR OTHER TEMPORARY DIVERSION STRUCTURES OR THROUGH THE USE OF MEASURES TO ELEVATE WASTE FROM SITE SURFACES.

SOLID WASTE STORAGE AREAS SHOULD BE LOCATED AT LEAST 50 FT. FROM DRAINAGE FACILITIES AND WATERCOURSES AND SHOULD NOT BE LOCATED IN AREAS PRONE TO FLOODING OR PONDING.

INSPECTION AND MAINTENANCE

INSPECT AND VERIFY THAT ACTIVITY BASED BMPS ARE IN PLACE PRIOR TO THE COMMENCEMENT OF ASSOCIATED ACTIVITIES. WHILE ACTIVITIES ASSOCIATED WITH THE BMP ARE UNDER WAY, INSPECT WEEKLY TO VERIFY CONTINUED BMP IMPLEMENTATION.

INSPECT BMPS SUBJECT TO NON-STORMWATER DISCHARGE DAILY WHILE NON-STORMWATER DISCHARGES OCCUR.

INSPECT CONSTRUCTION WASTE AREA REGULARLY.

ARRANGE FOR REGULAR WASTE COLLECTION.

CONCRETE WASHOUT

THE FOLLOWING STEPS WILL HELP REDUCE STORMWATER POLLUTION FROM CONCRETE WASTES:

DISCUSS THE CONCRETE MANAGEMENT TECHNIQUES IN THIS BMP (SUCH AS HANDLING OF CONCRETE WASTE AND WASHOUT) WITH THE READY-MIX CONCRETE SUPPLIER BEFORE ANY DELIVERIES ARE MADE.

INCORPORATE REQUIREMENTS FOR CONCRETE WASTE MANAGEMENT INTO MATERIAL SUPPLIER AND SUBCONTRACTOR AGREEMENTS.

STORE DRY AND WET MATERIALS AWAY FROM DRAINAGE AREAS.

AVOID MIXING EXCESS AMOUNTS OF FRESH CONCRETE.

PERFORM WASHOUT OF CONCRETE TRUCKS OFFSITE OR IN DESIGNATED AREAS ONLY.

DO NOT WASHOUT CONCRETE TRUCKS INTO STORM DRAINS, OPEN DITCHES, STREETS OR STREAMS.

DO NOT ALLOW EXCESS CONCRETE TO BE DUMPED ONSITE, EXCEPT IN DESIGNATED AREAS.

FOR ONSITE WASHOUT:
- LOCATE WASHOUT AREA AT LEAST 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES.
- DO NOT ALLOW RUNOFF FROM THIS AREA BY CONSTRUCTING A TEMPORARY PIT OR BERMED AREA LARGE ENOUGH FOR LIQUID AND SOLID WASTE.
- WASH OUT WASTES INTO THE TEMPORARY PIT WHERE THE CONCRETE CAN SET, BE BROKEN UP, AND THEN DISPOSED OF PROPERLY.
- AVOID CREATING RUNOFF BY DRAINING WATER TO A BERMED OR LEVEL AREA WHEN WASHING CONCRETE TO REMOVE FINE PARTICLES AND EXPOSE THE AGGREGATE.
- DO NOT WASH SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE INTO THE STREET OR STORM DRAIN. COLLECT AND RETURN SWEEPINGS TO AGGREGATE BASE STOCKPILE OR DISPOSE IN THE TRASH.

APPROVAL PENDING NOT FOR CONSTRUCTION

DATE	ISSUE
04-09-2021	CLIENT REVIEW

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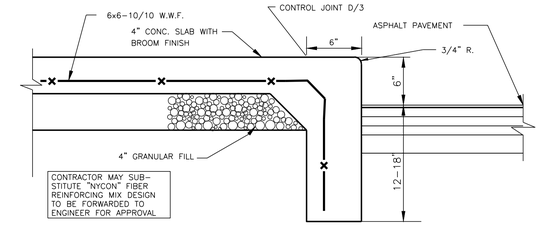
PROPOSED BUILDING
COMPTON DENTAL
15626 SPRING MILL ROAD
WESTFIELD, IN 46074

DRAWN BY: TEN
CHECKED BY: ALD
PROJECT No. 2103-029

SWPPP

SHEET No. C5



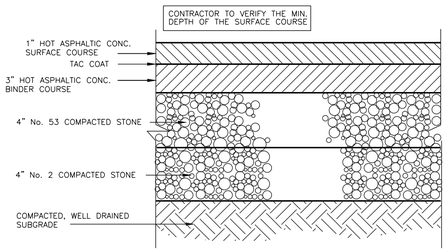
CONCRETE WALK/STOOP DETAIL

NOT TO SCALE

1 C6.1

NOTES:

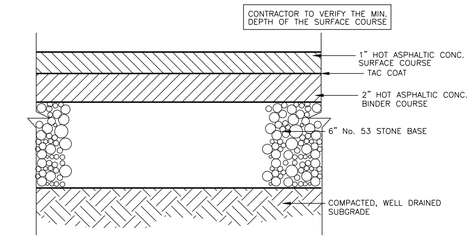
1. TRANSVERSE JOINTS SHALL BE CUT WITH A JOINTER HAVING A RADIUS OF 1/4" AT 6'-0" SPACING AND 48'-0" BETWEEN EXPANSION JOINTS. (FOR SIDEWALK ONLY)
2. SUBGRADE UNDER ALL CURB, SIDEWALK, AND DRIVES SHALL BE COMPACTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
3. WHERE SIDEWALK IS CONSTRUCTED ADJACENT TO CURB, THE SPACE BEHIND THE CURB SHALL BE FILLED WITH SUITABLE MATERIAL TO THE REQUIRED ELEVATION AND COMPACTED IN LAYERS NOT TO EXCEED 6".
4. WHEN BUILT IN CONJUNCTION WITH CONCRETE PAVEMENT, EXPANSION AND CONTRACTION JOINTS SHOULD BE PLACED AT THE SAME LOCATIONS AS IN THE PAVEMENT SLAB. THE CURB AND GUTTER SHOULD BE TIED TO THE PAVEMENT BY #4 DEFORMED RE-BAR AT 3'-0" o.c. IF NO CONCRETE PAVEMENT IS BEING BUILT, AT THE TIME, THE CURB IS CONSTRUCTED, EXPANSION JOINTS SHALL BE PLACED AT THE ENDS OF ALL RADII AND AT INTERVALS NOT TO EXCEED 100'. CONTRACTION JOINTS SHALL BE PLACED AT 20' o.c.



HEAVY DUTY ASPHALT PAVEMENT SECTION

NOT TO SCALE

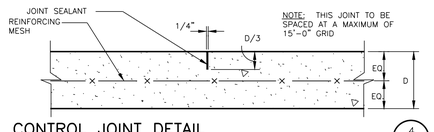
2 C6.1



LIGHT DUTY ASPHALT PAVEMENT SECTION

NOT TO SCALE

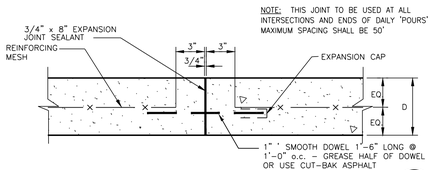
3 C6.1



CONTROL JOINT DETAIL

NOT TO SCALE

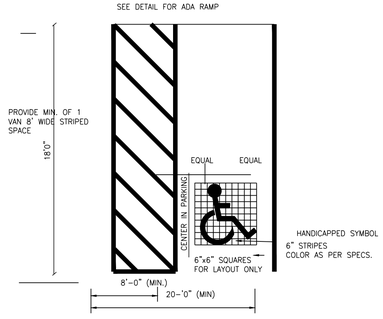
4 C6.1



EXPANSION JOINT DETAIL

NOT TO SCALE

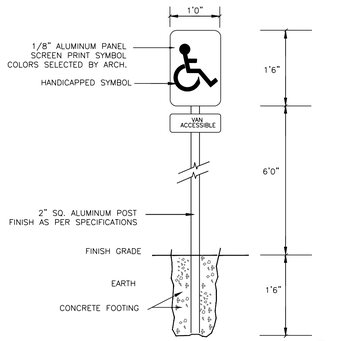
5 C6.1



HANDICAPPED PARKING

NOT TO SCALE

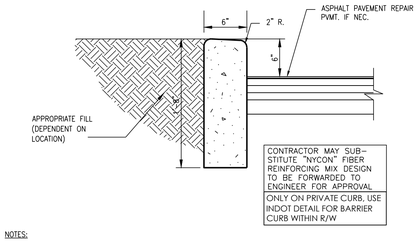
6 C6.1



HANDICAPPED PARKING SIGN

NOT TO SCALE

7 C6.1



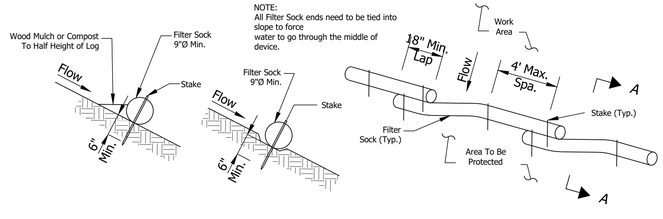
NOTES:

1. WHERE SIDEWALK IS CONSTRUCTED IMMEDIATELY ADJACENT TO CURB, THE SURFACE OF THE SIDEWALK SHALL BE CONSTRUCTED 1/4" HIGHER THAN THE CURB.
2. TRANSVERSE JOINTS SHALL BE CUT WITH A JOINTER HAVING A RADIUS OF 3/8" AT 6'-0" SPACING AND 48'-0" BETWEEN EXPANSION JOINTS.
3. SUBGRADE UNDER ALL CURB, SIDEWALK, AND DRIVES SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 207.02 OF THE STANDARDS SPECIFICATIONS.
4. WHERE SIDEWALK IS CONSTRUCTED ADJACENT TO CURB, THE SPACE BEHIND THE CURB SHALL BE FILLED WITH SUITABLE MATERIAL TO THE REQUIRED ELEVATION AND COMPACTED IN LAYERS NOT TO EXCEED 6".
5. WHEN BUILT IN CONJUNCTION WITH CONCRETE PAVEMENT, EXPANSION AND CONTRACTION JOINTS SHOULD BE PLACED AT THE SAME LOCATIONS AS IN THE PAVEMENT SLAB. THE CURB AND GUTTER SHOULD BE TIED TO THE PAVEMENT BY #4 DEFORMED RE-BAR AT 3'-0" o.c. IF NO CONCRETE PAVEMENT IS BEING BUILT, AT THE TIME, THE CURB IS CONSTRUCTED, EXPANSION JOINTS SHALL BE PLACED AT THE ENDS OF ALL RADII AND AT INTERVALS NOT TO EXCEED 100'. CONTRACTION JOINTS SHALL BE PLACED AT 20' o.c.

STANDING CURB DETAIL

NOT TO SCALE

8 C6.1



FILTER SOCK DETAIL

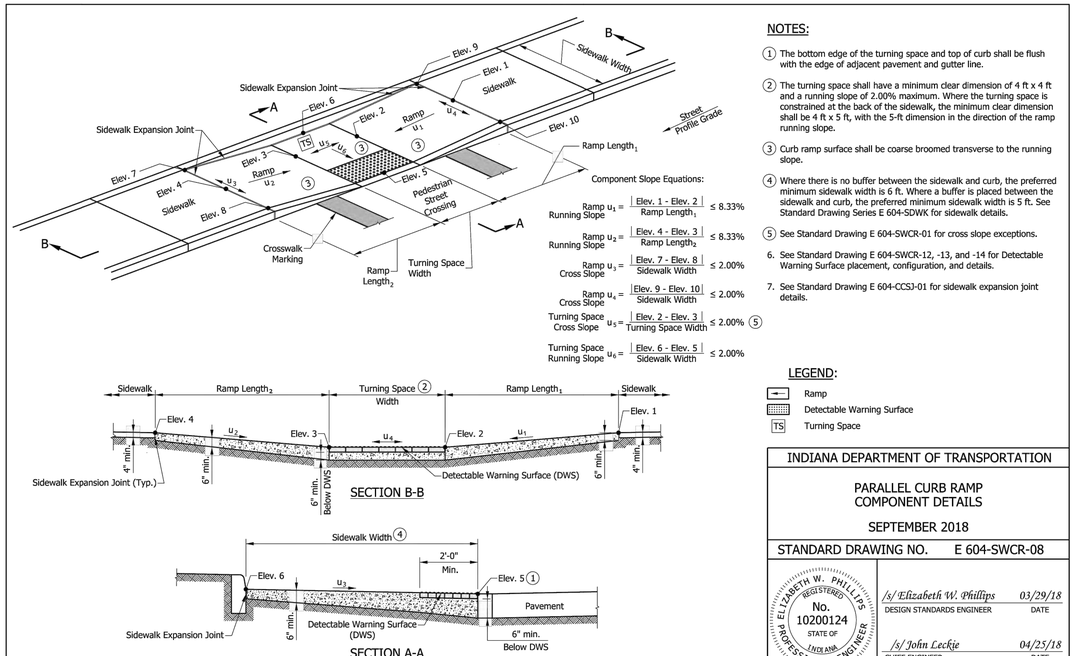
NOT TO SCALE

9 C6.1

FILTER SOCK ON PAVEMENT DETAIL

NOT TO SCALE

10 C6.1



NOTES:

1. The bottom edge of the turning space and top of curb shall be flush with the edge of adjacent pavement and gutter line.
2. The turning space shall have a minimum clear dimension of 4 ft x 4 ft and a running slope of 2.00% maximum. Where the turning space is constrained at the back of the sidewalk, the minimum clear dimension shall be 4 ft x 5 ft, with the 5-ft dimension in the direction of the ramp running slope.
3. Curb ramp surface shall be coarse broomed transverse to the running slope.
4. Where there is no buffer between the sidewalk and curb, the preferred minimum sidewalk width is 6 ft. Where a buffer is placed between the sidewalk and curb, the preferred minimum sidewalk width is 5 ft. See Standard Drawing Series E 604-SDWK for sidewalk details.
5. See Standard Drawing E 604-SWCR-01 for cross slope exceptions.
6. See Standard Drawing E 604-SWCR-12, -13, and -14 for Detectable Warning Surface placement, configuration, and details.
7. See Standard Drawing E 604-CCSJ-01 for sidewalk expansion joint details.

LEGEND:

- Ramp
- Detectable Warning Surface
- TS Turning Space

INDIANA DEPARTMENT OF TRANSPORTATION

PARALLEL CURB RAMP COMPONENT DETAILS

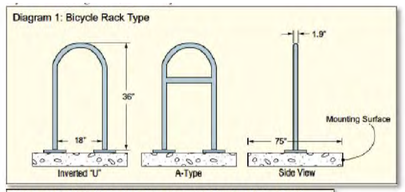
SEPTEMBER 2018

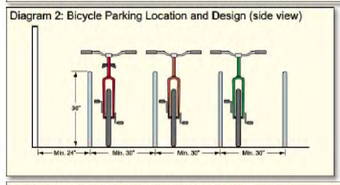
STANDARD DRAWING NO. E 604-SWCR-08

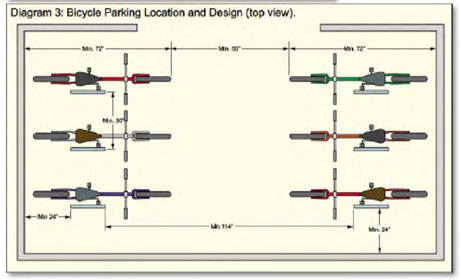
ELIZABETH W. PHILLIPS — REGISTERED — No. 10200124 — STATE OF INDIANA — PROFESSIONAL ENGINEER

/s/ Elizabeth W. Phillips 03/29/18
DESIGN STANDARDS ENGINEER DATE

/s/ John Leckie 04/25/18
CHIEF ENGINEER DATE







BICYCLE PARKING ⚠

NOT TO SCALE

11 C6.1

SITE DETAILS

APPROVAL PENDING NOT FOR CONSTRUCTION

ISSUE	DATE
CLIENT REVIEW	06-01-2021
TAC REVIEW COMMENTS 1	06-25-2021

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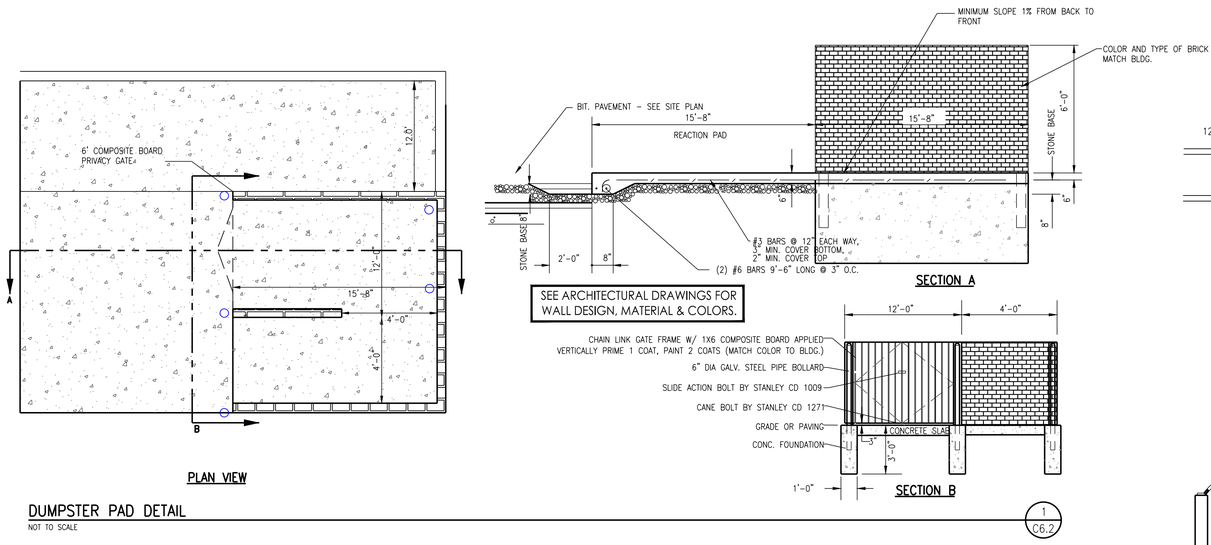
317-261-0070

PROPOSED BUILDING
COMPTON DENTAL
15626 SPRING MILL ROAD
WESTFIELD, IN 46074

DRAWN BY: TEN
CHECKED BY: ALD

PROJECT No. 2103-029

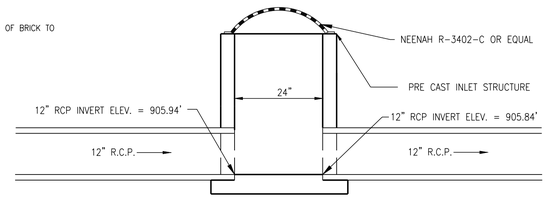
SHEET No. C6.1



PLAN VIEW

DUMPSTER PAD DETAIL
NOT TO SCALE

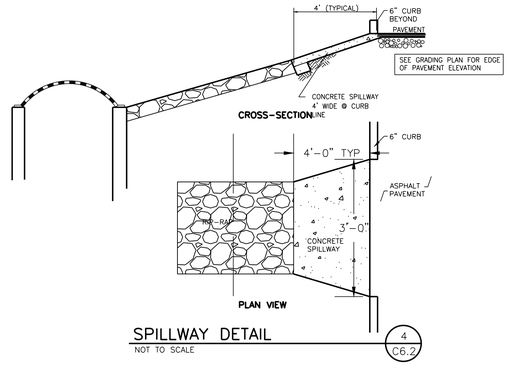
1 / C6.2



CONTRACTOR TO POUR BASE UNDER EXISTING PIPE CRADLING THE PIPE. THEN INSTALL PRE CAST STRUCTURE OVER EXISTING PIPE. SEAL STRUCTURE AROUND PIPE THEN OPEN THE PIPE INSIDE THE STRUCTURE.

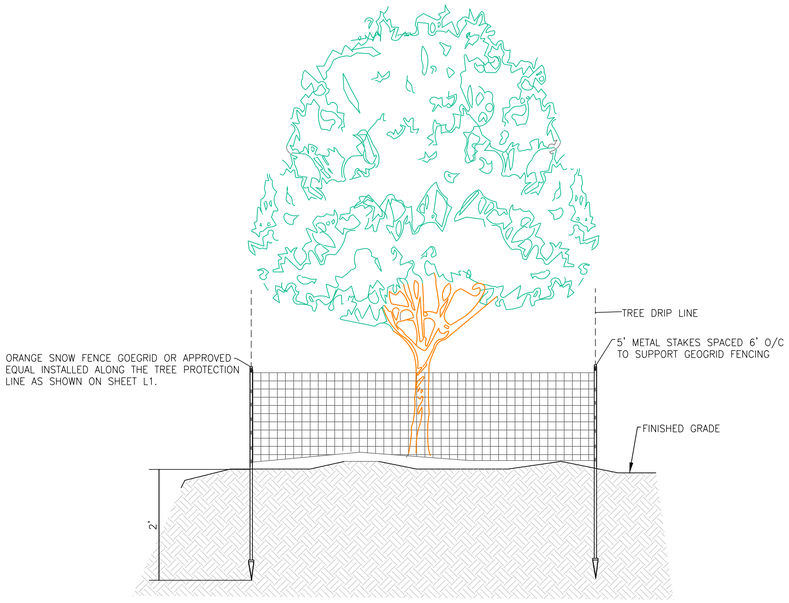
DOGHOUSE STRUCTURE DETAIL (TYPE 1A INDOT INLET STR.)
NOT TO SCALE

3 / C6.2



SPILLWAY DETAIL
NOT TO SCALE

4 / C6.2



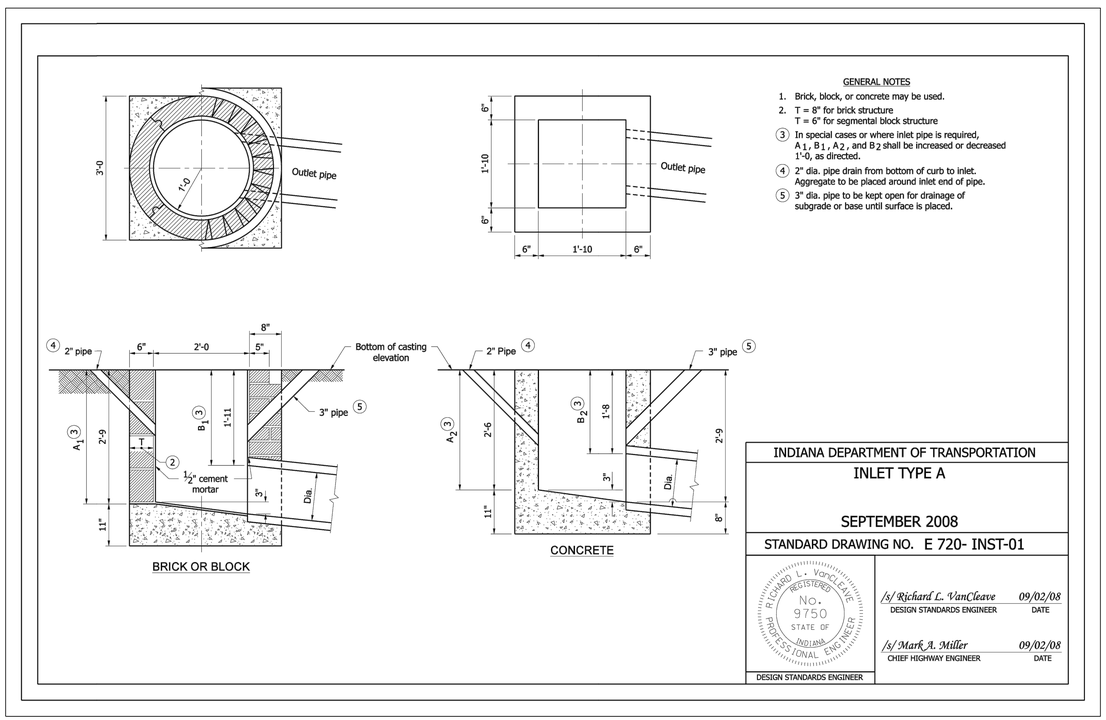
A. PROTECTION OF EXISTING TREES AND VEGETATION: PROTECT EXISTING TREES INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE, EXCESS FOOT OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE.
   1. WATER TREES AND OTHER VEGETATION TO REMAIN WITHIN LIMITS OF CONTRACT. WORK AS REQUIRED TO MAINTAIN THEIR HEALTH DURING COURSE OF CONSTRUCTION OPERATIONS.
   2. PROVIDE PROTECTION FOR ROOTS OVER 1-1/2 INCH IN DIAMETER THAT ARE CUT DURING CONSTRUCTION OPERATIONS. COAT CUT FACES WITH AN EMULSIFIED ASPHALT OR OTHER ACCEPTABLE COATING FORMULATED TO USE ON DAMAGED PLANT TISSUES. TEMPORARILY COVER EXPOSED ROOTS WITH WET BURLAP TO PREVENT ROOTS FROM DRYING OUT: COVER WITH EARTH AS SOON AS POSSIBLE.
   3. REPAIR OR REPLACE TREES AND VEGETATION INDICATED TO REMAIN THAT ARE DAMAGED BY CONSTRUCTION OPERATION IN A MANNER ACCEPTABLE TO ARCHITECT. EMPLOY A LICENSED ARBORIST TO REPAIR DAMAGE TO TREES AND SHRUBS.

B. OWNER TO HIRE QUALIFIED LANDSCAPE CONTRACTOR OR TREE SERVICE FIRM TO SELECTIVELY CLEAR WOOD LOT. ALL BRUSH AND SHRUBBERY INCAPABLE OF ACHIEVING A HEIGHT OF 20 FEET OR GREATER SHALL BE REMOVED. AREAS WHICH HAVE TREE SAPLINGS SPACED CLOSER THAN 5 FEET ON CENTER SHALL BE THINNED TO ALLOW THE NICEST SHAPED AND MOST DESIRABLE SPECIES O THRIVE. ALL DEAD TREES SHALL BE REMOVED. TREE SAPLINGS SHALL BE MAINTAINED IN A VARIETY OF SIZES TO ASSURE THAT AS OLDER TREES DIE, YOUNGER REPLACEMENTS WILL BE PRESENTS.

C. THE ENTIRE TREE PRESERVATION AREA SHALL BE MULCHED BY HAND TO ALLOW FOR AN EASILY MAINTAINED NEAT APPEARANCE.

TREE PROTECTION DETAIL
NOT TO SCALE

2 / C6.2



GENERAL NOTES
1. Brick, block, or concrete may be used.
2. T = 8" for brick structure
   T = 6" for segmental block structure
3. In special cases or where inlet pipe is required, A_1, B_1, A_2, and B_2 shall be increased or decreased 1'-0, as directed.
4. 2" dia. pipe drain from bottom of curb to inlet. Aggregate to be placed around inlet end of pipe.
5. 3" dia. pipe to be kept open for drainage of subgrade or base until surface is placed.

INDIANA DEPARTMENT OF TRANSPORTATION

INLET TYPE A

SEPTEMBER 2008

STANDARD DRAWING NO. E 720- INST-01

RICHARD L. VanCLEAVE REGISTERED No. 9750 STATE OF INDIANA PROFESSIONAL ENGINEER

DESIGN STANDARDS ENGINEER

/s/ Richard L. VanCleave 09/02/08
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 09/02/08
CHIEF HIGHWAY ENGINEER DATE

SITE DETAILS

APPROVAL PENDING NOT FOR CONSTRUCTION

ISSUE	DATE
CLIENT REVIEW	04-01-2021

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850 SOUTH MERIDIAN ST, INDIANAPOLIS, IN
317-261-0070

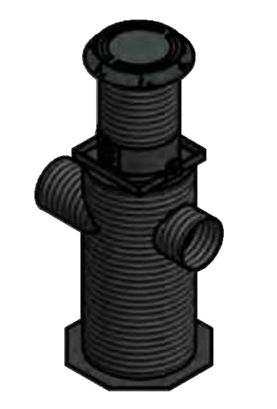
PROPOSED BUILDING
COMPTON DENTAL
15626 SPRING MILL ROAD
WESTFIELD, IN 46074

DRAWN BY: TEN
CHECKED BY: ALD

PROJECT No.
2103-029

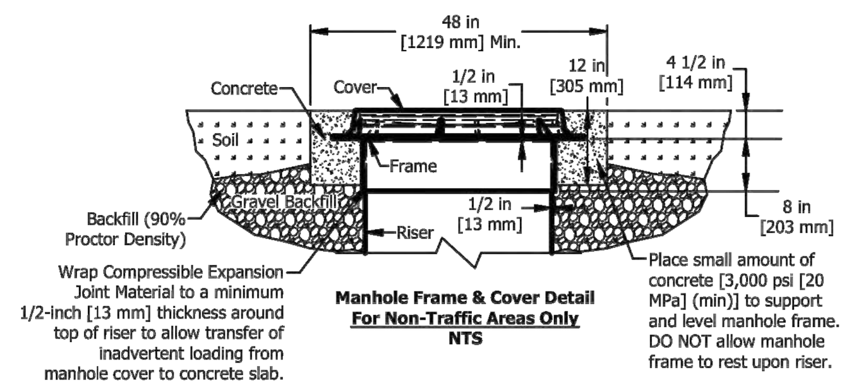
SHEET No.
C6.2

Aqua-Swirl® Polymer Coated Steel (PCS)
Stormwater Treatment System



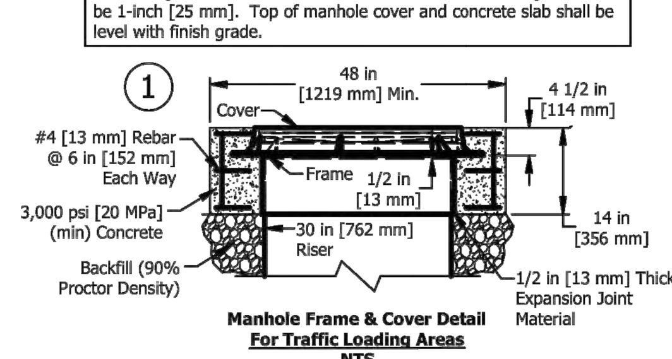
Projected View
SCALE 1:70

Unless other traffic barriers are present, bollards shall be placed around access riser(s) in non-traffic areas to prevent inadvertent loading by maintenance vehicles.



Manhole Frame & Cover Detail
For Non-Traffic Areas Only
NTS

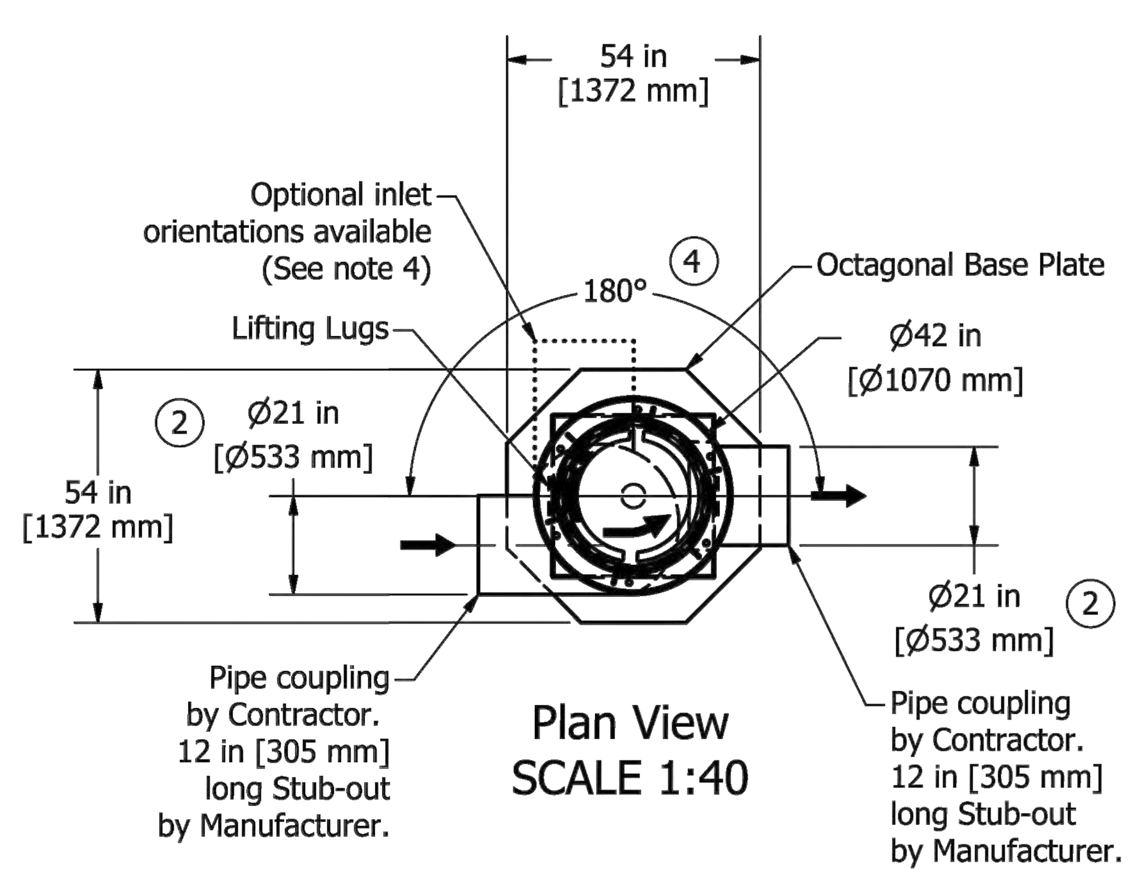
If traffic loading (HS-25) is required or anticipated, a 4-foot [1.22 m] diameter, 14-inch [356 mm] thick reinforced concrete pad must be placed over the Stormwater Treatment System Riser to support and level the manhole frame, as shown. The top of riser pipe must be wrapped with compressible expansion joint material to a minimum 1/2-inch [13 mm] thickness to allow transfer of wheel loads from manhole cover to concrete slab. Manhole cover shall bear on concrete slab and not on riser pipe. The concrete slab shall have a minimum strength of 3,000 psi [20 MPa] and be reinforced with #4 [13 mm] reinforcing steel as shown. Minimum cover over reinforcing steel shall be 1-inch [25 mm]. Top of manhole cover and concrete slab shall be level with finish grade.



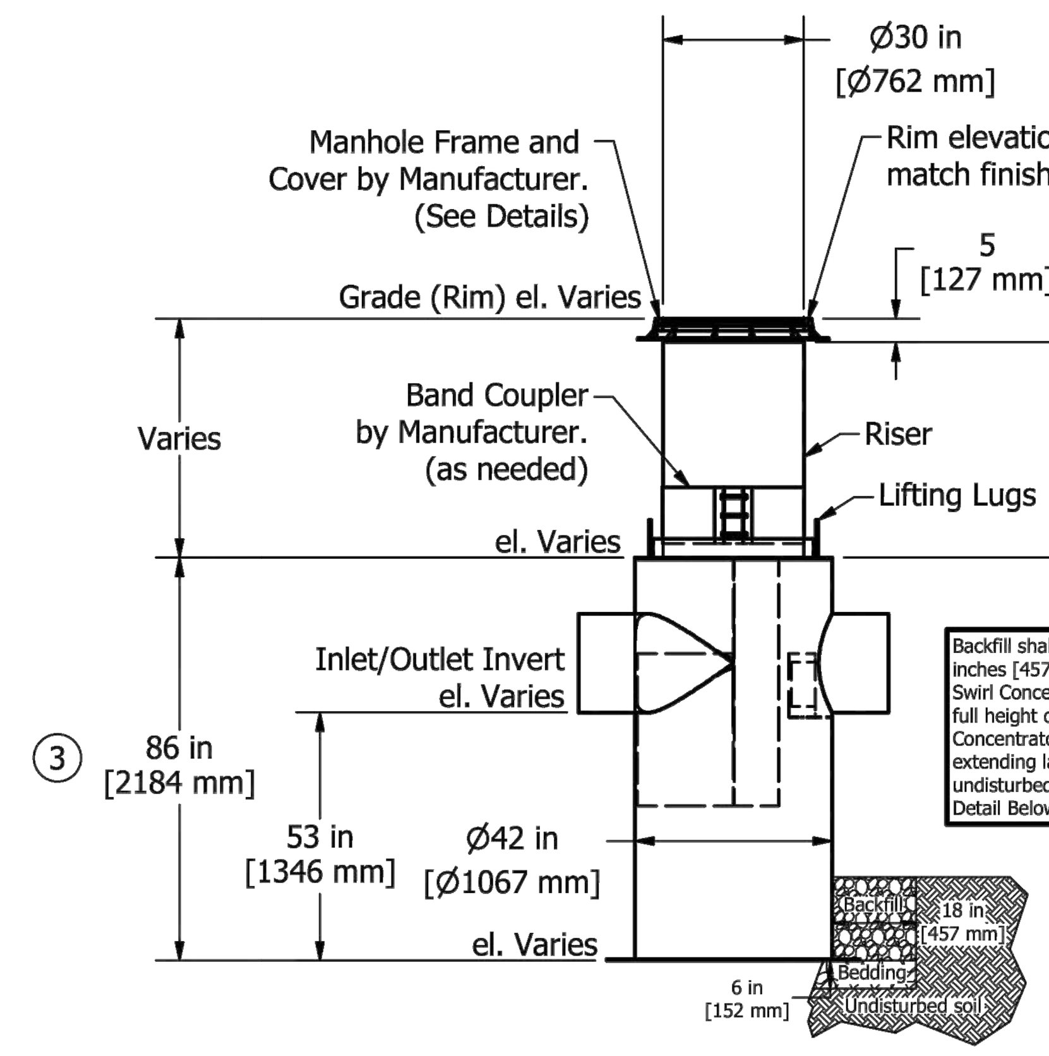
Manhole Frame & Cover Detail
For Traffic Loading Areas
NTS

Please see accompanied Aqua-Swirl® specification notes. See Site Plan for actual System orientation. Approximate dry (pick) weight: 1500 lbs [700 kg].

1. As an alternative, 42 in [1067 mm] diameter, HS-20/25 rated precast concrete rings may be substituted. 14 in [356 mm] thickness must be maintained.
2. XC-3 inlet/outlet pipe size ranges up to 21 in [533 mm].
3. XC-3 chamber height may vary up to 86 in [2184 mm], depending on inlet/outlet pipe size.
4. Orientation may vary from a minimum of 90° to a maximum of 180°. Clockwise or counterclockwise orientation as needed.



Plan View
SCALE 1:40



Elevation View
SCALE 1:40

AquaShield™ Water Treatment Solutions, 2733 Kanasita Drive, Suite 111, Chattanooga, TN 37343, Phone (888) 344-9044 Fax (423) 826-2112, www.aquashieldinc.com	Aqua-Swirl® XCelerator XC-3 CCW / Standard Detail	Structure #:	XC-3 STD	Rvwed	Rvw. Date
		Drawn By:	OFlores		
		Scale:	As Shown		
		Date:	2/24/2021		
		U.S. Patent No. 6524473 and other Patent Pending			

Supercoat™
Supercoat Finish

PROJECT INFORMATION

ENGINEERED PRODUCT MANAGER	
ADS SALES REP	
PROJECT NO.	

ADS™ Advanced Drainage Systems, Inc.

SiteASSIST™ FOR STORMTECH INSTRUCTIONS, DOWNLOAD THE INSTALLATION APP

COMPTON PUDREV
WESTFIELD, IN

SC-740 STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH SC-740.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418-16a, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 550 LBS/IN/IN. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
   - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-740 SYSTEM

1. STORMTECH SC-740 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONESHOOTER LOCATED OFF THE CHAMBER BED.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4-2" (20-50 mm).
8. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
9. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
2. THE USE OF CONSTRUCTION EQUIPMENT OVER SC-740 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

AQUA-SWIRL™ PCS SPECIFICATION NOTES

1. Manufacturer shall be responsible for complete assembly of Swirl Concentrator.

2. Polymer Coated Steel (PCS) Swirl Concentrator shall be fabricated from polymer pre-coated steel sheet for corrugated steel pipe, and shall comply with ASTM A 760 and ASTM A 742.

3. Stub outs and internal components shall be supplied by manufacturer and MIG welded using accepted welding practices.

4. Manufacturer shall supply direct access to Swirl Concentrator via 30-inch ID riser(s). Riser should not be field cut by Contractor, Riser should maintain its finish cut length as supplied by manufacturer to match final grade per approved site elevations (as indicated on approved shop drawing). If necessary to extend riser, Contractor should use adjusting rings to bring top of structure to grade.

5. Contractor shall supply pipe couplings to and from Swirl Concentrator, which shall be Mar-Mac, Fernco, or Mission style flexible boot with stainless steel tension bands and shear guard. **Mar-Mac couplings should be used for connections to corrugated plastic pipe and are recommended for pipe 24" ID and up.** Mar Mac can be reached at: 877-962-7622, or: cort.calk@marmac.com.

6. Contractor shall prepare excavation and off-load Aqua-Swirl. Contractor is responsible for bedding and backfill around Aqua-Swirl as detailed on site plan (see notes 11 and 12). Contractor shall inspect AquaSwirl for any exposed metal (scratches or other damage to the polymer coating). This must be recoated using the touch up kit supplied with each PCS unit prior to installation or placement of backfill.

7. Manufacturer shall supply standard manhole frame(s) and cover(s). (Traffic rated H20)

8. Where traffic loading (H-20) is required or anticipated, a 4-foot diameter, 14-inch thick reinforced concrete pad must be placed over the Swirl Concentrator to support and level the manhole frame. The top of riser pipe must be wrapped with compressible expansion joint material to a minimum 1-inch thickness to allow transfer of wheel loads from manhole cover to concrete slab. Manhole cover shall bear on concrete slab and not on riser pipe. The concrete slab shall have a minimum strength of 3,000 psi and be reinforced with #4 reinforcing steel (per drawing). Minimum cover over reinforcing steel shall be 1-inch. Top of manhole cover and concrete slab shall be level with finish grade.

9. Unless other traffic barriers are present, bollards shall be placed around access risers in non-traffic areas to prevent inadvertent loading by maintenance vehicles. Sample of typical bollard installation detail and recommended locations of bollards around the Swirl Concentrator can be provided upon request.

10. Where high groundwater elevations are present or anticipated, Contractor shall supply concrete anti-floatation pad underneath and poured over the octagonal base plate of the swirl (see Anti-Floatation Base Detail) to prevent buoyancy and base plate deflection (details, if necessary, available upon request).

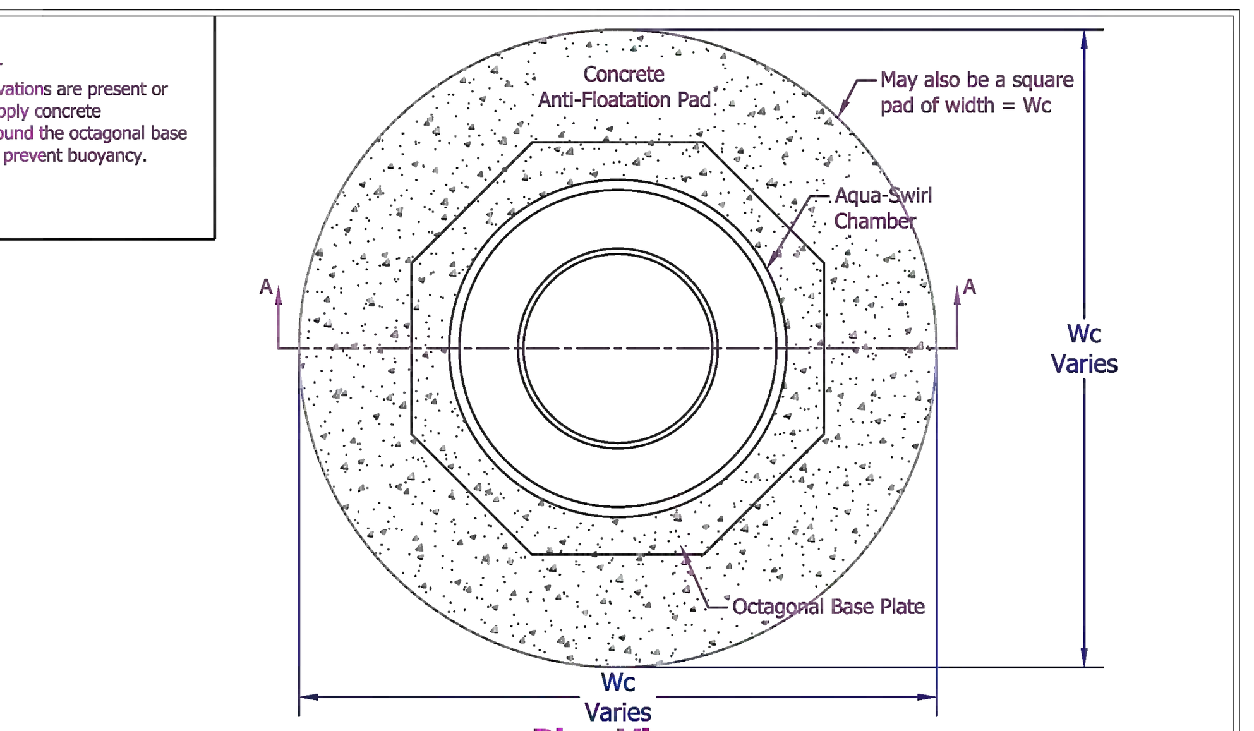
11. Excavation and Bedding - The trench and trench bottom shall be constructed in accordance with ASTM A 798 Section 5, Trench Excavation, Section 6, Foundation, and Section 7, Bedding. The PCS Swirl Concentrator shall be installed on a stable base consisting of at least 6-inches of fine, readily compacted soil or granular fill material, and compacted to 95% proctor density. Bedding shall not contain stones retained on a 3-inch ring, frozen lumps, highly plastic clay, organic material, corrosive material, or other deleterious foreign materials. All required safety precautions for Swirl Concentrator installation are the responsibility of the Contractor and shall be per OSHA approved methods.

12. Backfill Requirements - Backfill materials shall be fine, readily compacted soil or granular fill material, and compacted to 90% proctor density. Processed granular materials with excellent structural characteristics are preferred. Coarse grained soils of USCS Groups GW, GP, GM, GC, SW, and SP as described in ASTM D 2487 are generally acceptable materials when compacted to 90% proctor density. Backfill shall not contain stones retained on a 3-inch ring, frozen lumps, highly plastic clay, organic material, corrosive material, or other deleterious foreign materials. Backfilling shall conform to ASTM A 798, Section 10, Structural Backfill Placement. Backfill shall be placed in 6 to 12 inch layers or "lifts" and compacted before adding the next lift. Backfill shall extend at least 18 inches outward from Swirl Concentrator and for the full height of the Swirl Concentrator (including riser(s)) extending laterally to undisturbed soils.

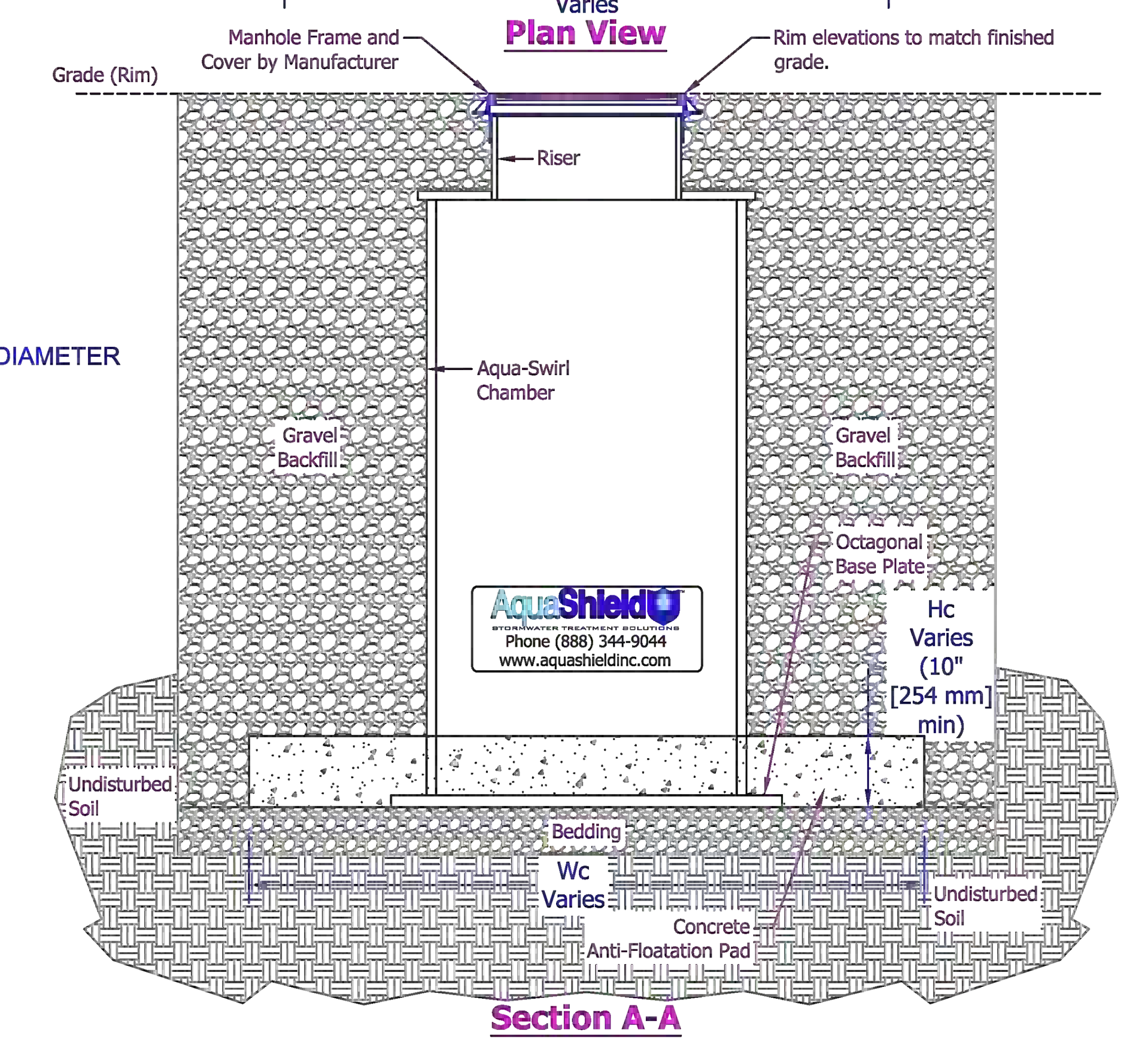
GENERAL NOTES:

1. Where high groundwater elevations are present or anticipated, Contractor shall supply concrete anti-floatation pad and pour around the octagonal base plate of the swirl (as shown) to prevent buoyancy.

XC-3 UNIT
Wc = 78 in. DIAMETER



Plan View



Section A-A

This is a sample detail, please contact AquaShield, Inc. for more information.

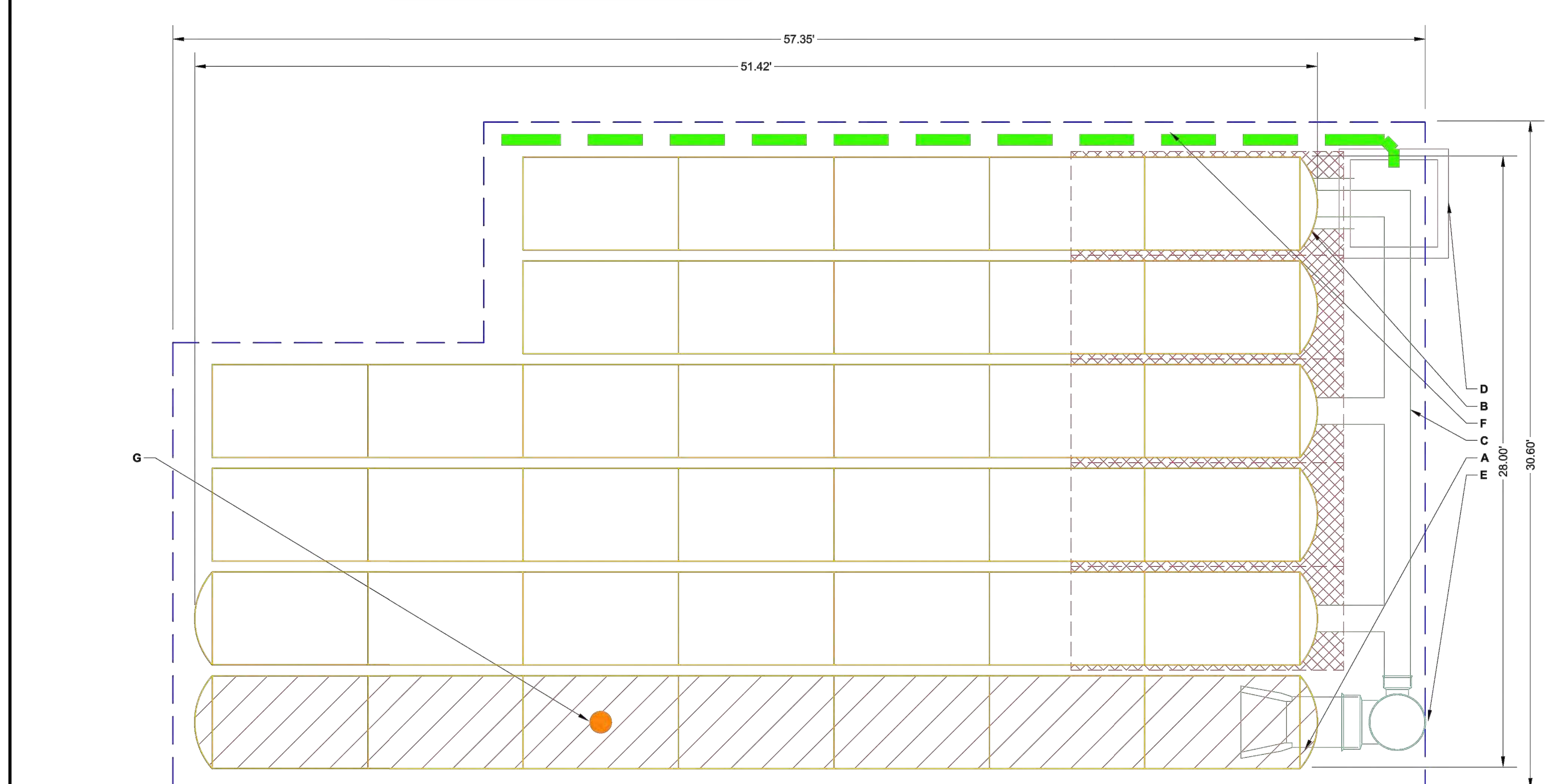
AquaShield™ Stormwater Treatment Solutions, 2733 Kanasita Drive, Suite 111, Chattanooga, TN 37343, Phone (888) 344-9044 Fax (423) 826-2112, www.aquashieldinc.com	Aqua-Swirl Stormwater Treatment System / Anti-Floatation Ring Detail	Document:	Concrete Pad Detail	Rev. Date	Description of Revision
		Drawn By:	JCW		
		Scale:	NTS		
		Date:	04/21/15	U.S. Patent No. 6524473	

PROPOSED LAYOUT	
38	STORMTECH SC-740 CHAMBERS
8	STORMTECH SC-740 END CAPS
6	STONE ABOVE (in)
6	STONE BELOW (in)
40	STONE VOID
3303	INSTALLED SYSTEM VOLUME (CF) (PERIMETER STONE INCLUDED) (COVER STONE INCLUDED) (BASE STONE INCLUDED)
1611	SYSTEM AREA (SF)
175.9	SYSTEM PERIMETER (ft)

PROPOSED ELEVATIONS	
MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	917.17
MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	911.17
MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	910.67
MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	910.67
MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	910.67
TOP OF STONE:	909.67
TOP OF SC-740 CHAMBER:	909.17
12" x 12" TOP MANIFOLD INVERT:	907.71
24" ISOLATOR ROW PLUS INVERT:	906.68
24" BOTTOM CONNECTION INVERT:	906.68
BOTTOM OF SC-740 CHAMBER:	906.67
UNDERDRAIN INVERT:	906.17
BOTTOM OF STONE:	906.17

*INVERT ABOVE BASE OF CHAMBER

PART TYPE	ITEM ON LAYOUT	DESCRIPTION	INVERT*	MAX FLOW
PREFABRICATED END CAP	A	24" BOTTOM PREFABRICATED END CAP, PART#: SC740EPE24BR / TYP OF ALL 24" ISOLATOR ROW PLUS CONNECTIONS	0.10"	
PREFABRICATED END CAP	B	24" BOTTOM PREFABRICATED END CAP, PART#: SC740EPE24B / TYP OF ALL 24" BOTTOM CONNECTIONS	0.10"	
MANIFOLD	C	12" x 12" TOP MANIFOLD, ADS N-12	12.50"	
CONCRETE STRUCTURE	D	OCS (DESIGN BY ENGINEER / PROVIDED BY OTHERS)		7.0 CFS OUT
NYLOPLAST (INLET W/ ISO PLUS ROW)	E	30" DIAMETER (24.00" SUMP MIN)		5.7 CFS IN
UNDERDRAIN	F	6" ADS N-12 DUAL WALL PERFORATED HDPE UNDERDRAIN		
INSPECTION PORT	G	4" SEE DETAIL		



ISOLATOR ROW PLUS
(SEE DETAIL)

PLACE MINIMUM 12.50' OF ADSPLUS125 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS

BED LIMITS

NOTES
- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANIFOLD SIZING GUIDANCE.
- DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE INSITU SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.
- **NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.

COMPTON PUDREV
WESTFIELD, IN
DATE:
DRAWN: AD
PROJECT #:
CHECKED: N/A

REV	DRW	CHK	DESCRIPTION

StormTech® Chamber System
888-892-2694 | WWW.STORMTECH.COM

ADS 4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473

0 5' 10'

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

SHEET
2 OF 6

AQUASHIELD/CONTECH DETAILS

DATE	ISSUE
06-01-2021	CLIENT REVIEW

KEELER-WEBB ASSOCIATES
Consulting Engineers–Planners–Surveyors
486 GRADLE DRIVE
CARMEL, INDIANA 46032
PHONE (317) 574-0140
FAX (317) 574-1269 adehart@keelerwebb.com

prince alexander
ARCHITECTURE ENGINEERING LAND PLANNING URBAN DESIGN ECONOMIC DEVELOPMENT INTERIOR DESIGN PROJECT MANAGEMENT
850 SOUTH MERIDIAN ST, INDIANAPOLIS, IN
317-261-0070

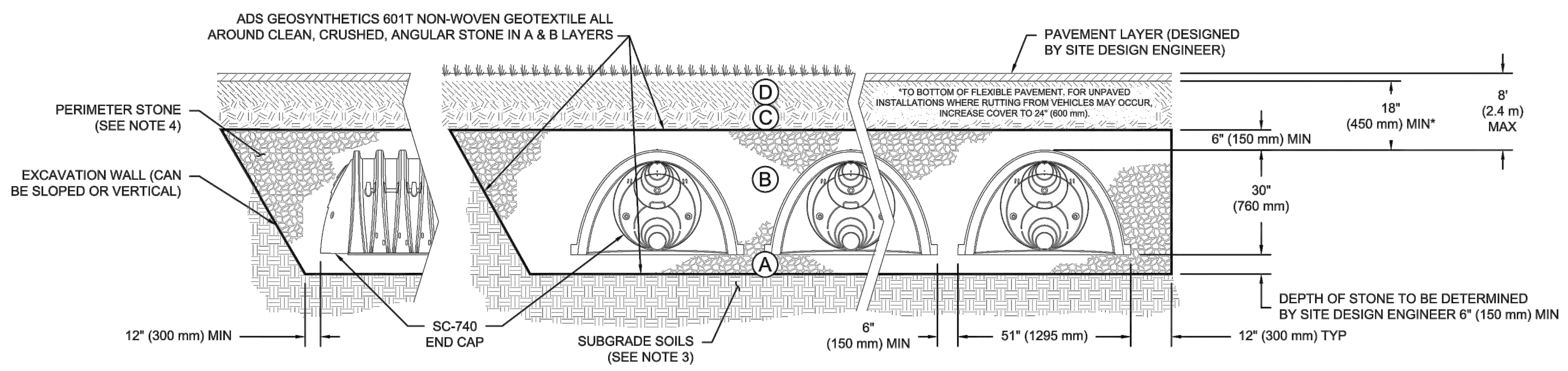
PROPOSED BUILDING
COMPTON DENTAL
15626 SPRING MILL ROAD
WESTFIELD, IN 46074

DRAWN BY: TEN
CHECKED BY: ALD
PROJECT No. 2103-029
SHEET No. C6.3

ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS

MATERIAL LOCATION		DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[2,3]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418-16a, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 550 LBS/IN/IN. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

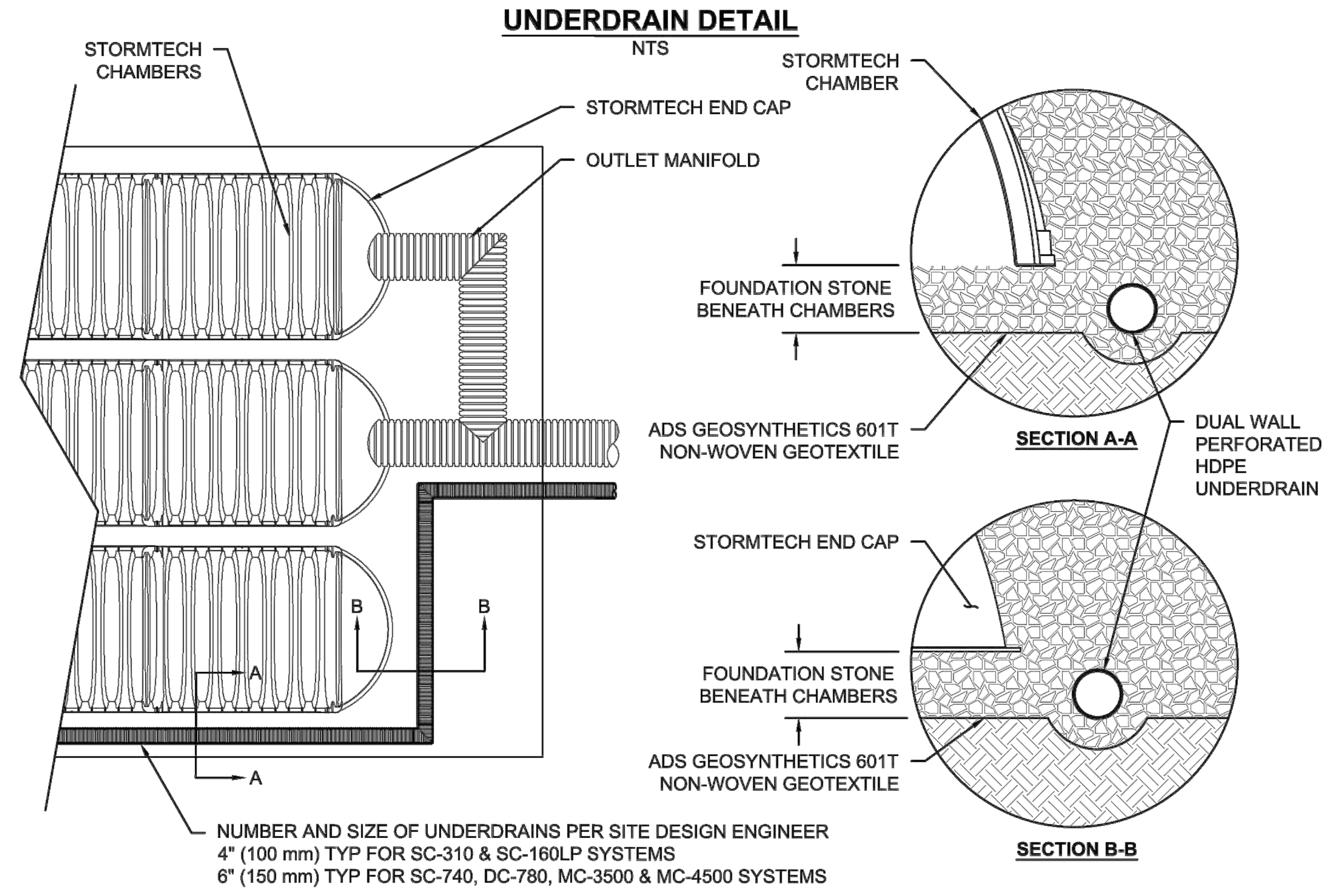
COMPTON PUDREV
WESTFIELD, IN
DATE:
PROJECT #:
DRAWN: AD
CHECKED: N/A

REV	DRW	CHK	DESCRIPTION

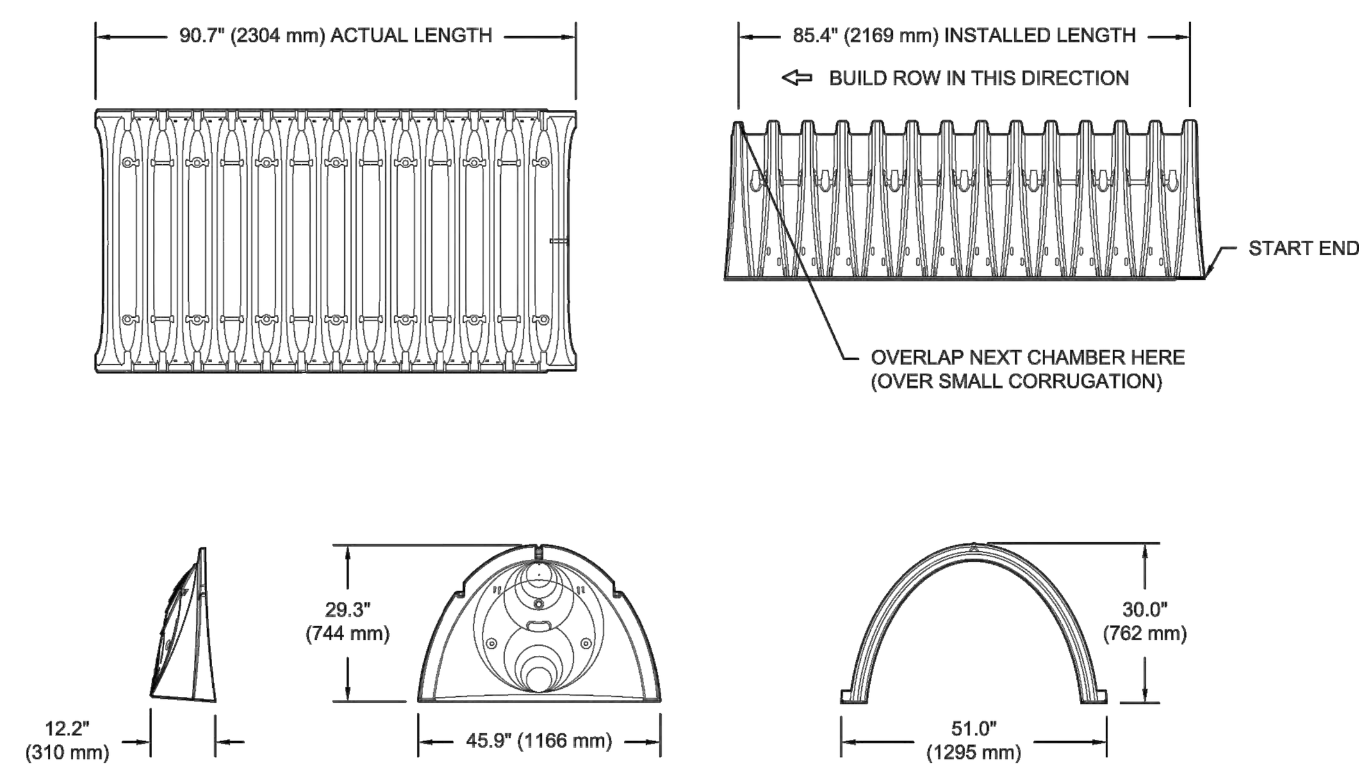
StormTech® Chamber System
888-892-2694 | WWW.STORMTECH.COM
ADS 4640 TRUEMAN BLVD HILLIARD, OH 43026 1-800-733-7473

SHEET 3 OF 6

UNDERDRAIN DETAIL
NTS



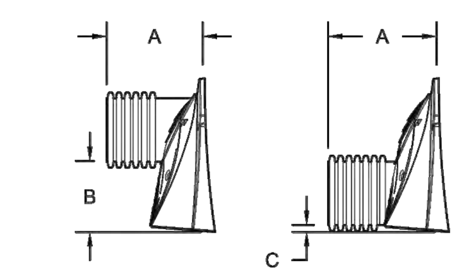
SC-740 TECHNICAL SPECIFICATION
NTS



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	51.0" X 30.0" X 85.4"	(1295 mm X 762 mm X 2169 mm)
CHAMBER STORAGE	45.9 CUBIC FEET	(1.30 m³)
MINIMUM INSTALLED STORAGE*	74.9 CUBIC FEET	(2.12 m³)
WEIGHT	75.0 lbs.	(33.6 kg)

*ASSUMES 6" (152 mm) STONE ABOVE, BELOW, AND BETWEEN CHAMBERS



PRE-FAB STUB AT BOTTOM OF END CAP WITH FLAMP END WITH "BR"
PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
PRE-FAB STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
PRE-CORED END CAPS END WITH "PC"

PART #	STUB	A	B	C
SC740EPE06T / SC740EPE06TPC	6" (150 mm)	10.9" (277 mm)	18.5" (470 mm)	---
SC740EPE06B / SC740EPE06BPC			---	0.5" (13 mm)
SC740EPE08T /SC740EPE08TPC	8" (200 mm)	12.2" (310 mm)	16.5" (419 mm)	---
SC740EPE08B / SC740EPE08BPC			---	0.6" (15 mm)
SC740EPE10T / SC740EPE10TPC	10" (250 mm)	13.4" (340 mm)	14.5" (368 mm)	---
SC740EPE10B / SC740EPE10BPC			---	0.7" (18 mm)
SC740EPE12T / SC740EPE12TPC	12" (300 mm)	14.7" (373 mm)	12.5" (318 mm)	---
SC740EPE12B / SC740EPE12BPC			---	1.2" (30 mm)
SC740EPE15T / SC740EPE15TPC	15" (375 mm)	18.4" (467 mm)	9.0" (229 mm)	---
SC740EPE15B / SC740EPE15BPC			---	1.3" (33 mm)
SC740EPE18T / SC740EPE18TPC	18" (450 mm)	19.7" (500 mm)	5.0" (127 mm)	---
SC740EPE18B / SC740EPE18BPC			---	1.6" (41 mm)
SC740EPE24B*	24" (600 mm)	18.5" (470 mm)	---	0.1" (3 mm)
SC740EPE24BR*	24" (600 mm)	18.5" (470 mm)	---	0.1" (3 mm)

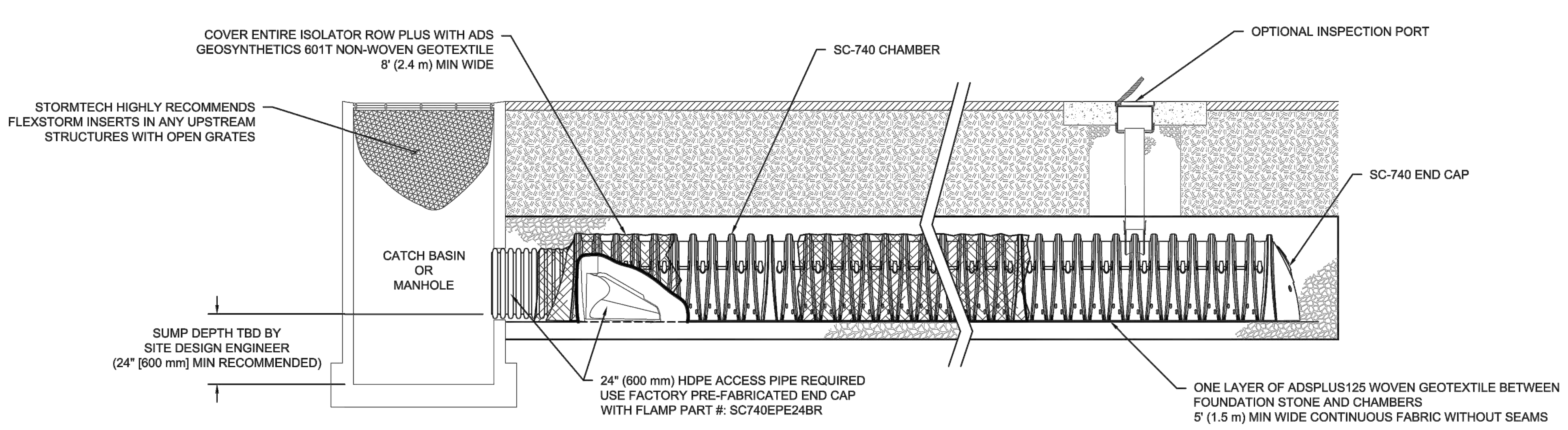
ALL STUBS, EXCEPT FOR THE SC740EPE24B/SC740EPE24BR ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC740EPE24B/SC740EPE24BR THE 24" (600 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" (44 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL

COMPTON PUDREV
WESTFIELD, IN
DATE:
PROJECT #:
DRAWN: AD
CHECKED: N/A
REV DRW CHK DESCRIPTION
StormTech® Chamber System
888-892-2694 | WWW.STORMTECH.COM
ADS 4640 TRUEMAN BLVD HILLIARD, OH 43026 1-800-733-7473
THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

SHEET 5 OF 6



SC-740 ISOLATOR ROW PLUS DETAIL
NTS

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

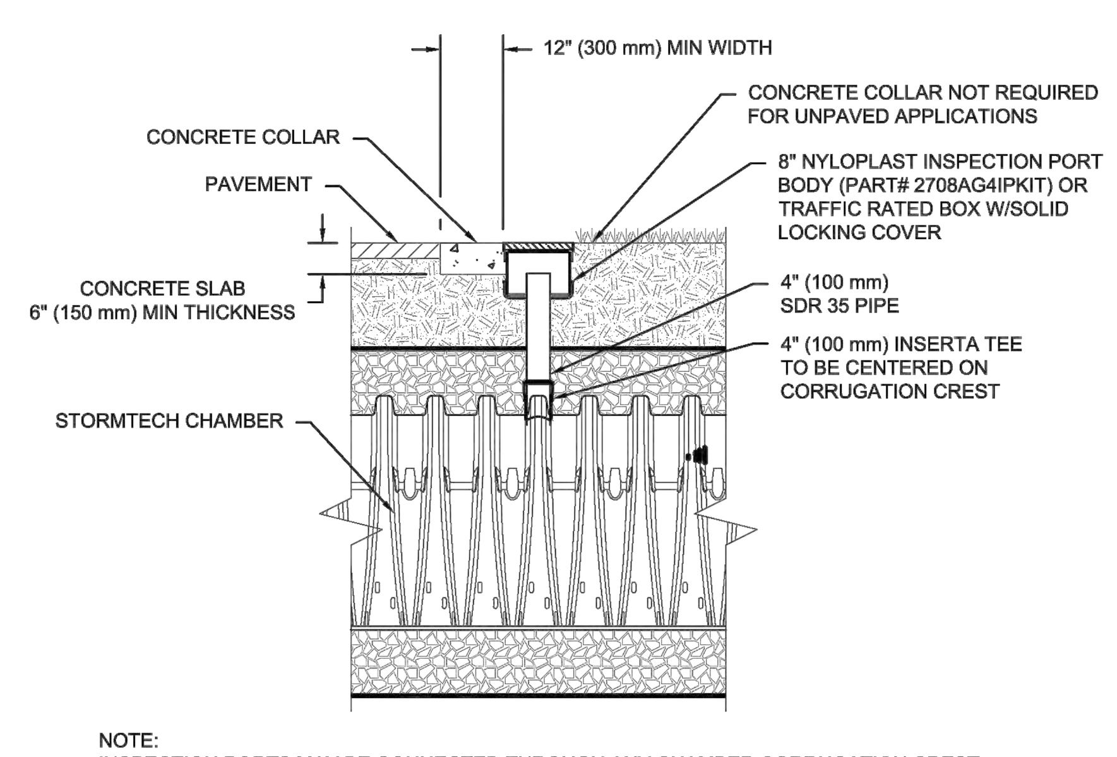
STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



NOTE:
INSPECTION PORTS MAY BE CONNECTED THROUGH ANY CHAMBER CORRUGATION CREST.

4" PVC INSPECTION PORT DETAIL (SC SERIES CHAMBER)
NTS

COMPTON PUDREV
WESTFIELD, IN
DATE:
PROJECT #:
DRAWN: AD
CHECKED: N/A
REV DRW CHK DESCRIPTION
StormTech® Chamber System
888-892-2694 | WWW.STORMTECH.COM
ADS 4640 TRUEMAN BLVD HILLIARD, OH 43026 1-800-733-7473
THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

SHEET 4 OF 6

ADS/CONTECH DETAILS

DATE	ISSUE
06-01-2021	CLIENT REVIEW

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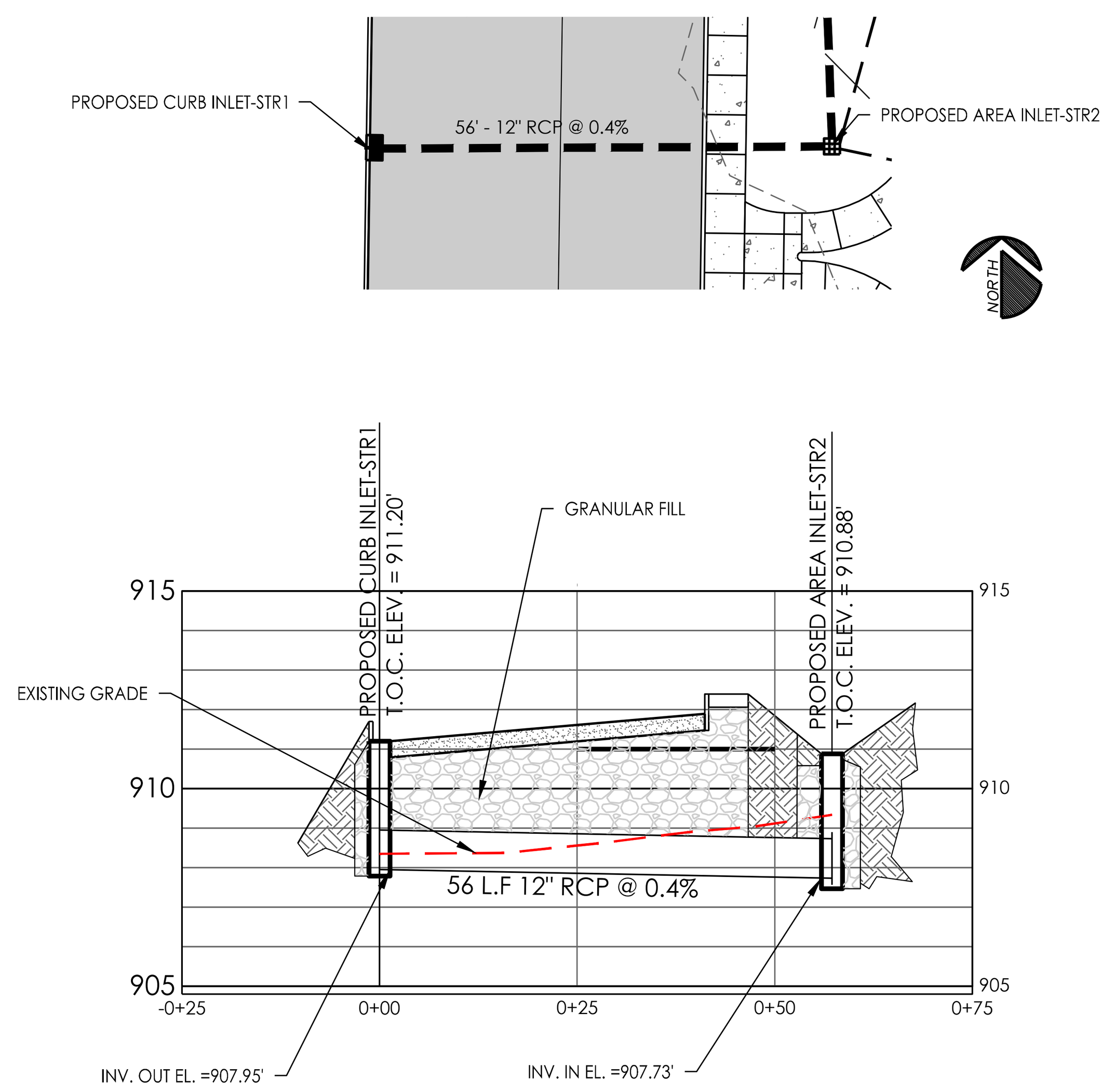
850 SOUTH MERIDIAN ST, INDIANAPOLIS, IN
317-261-0070

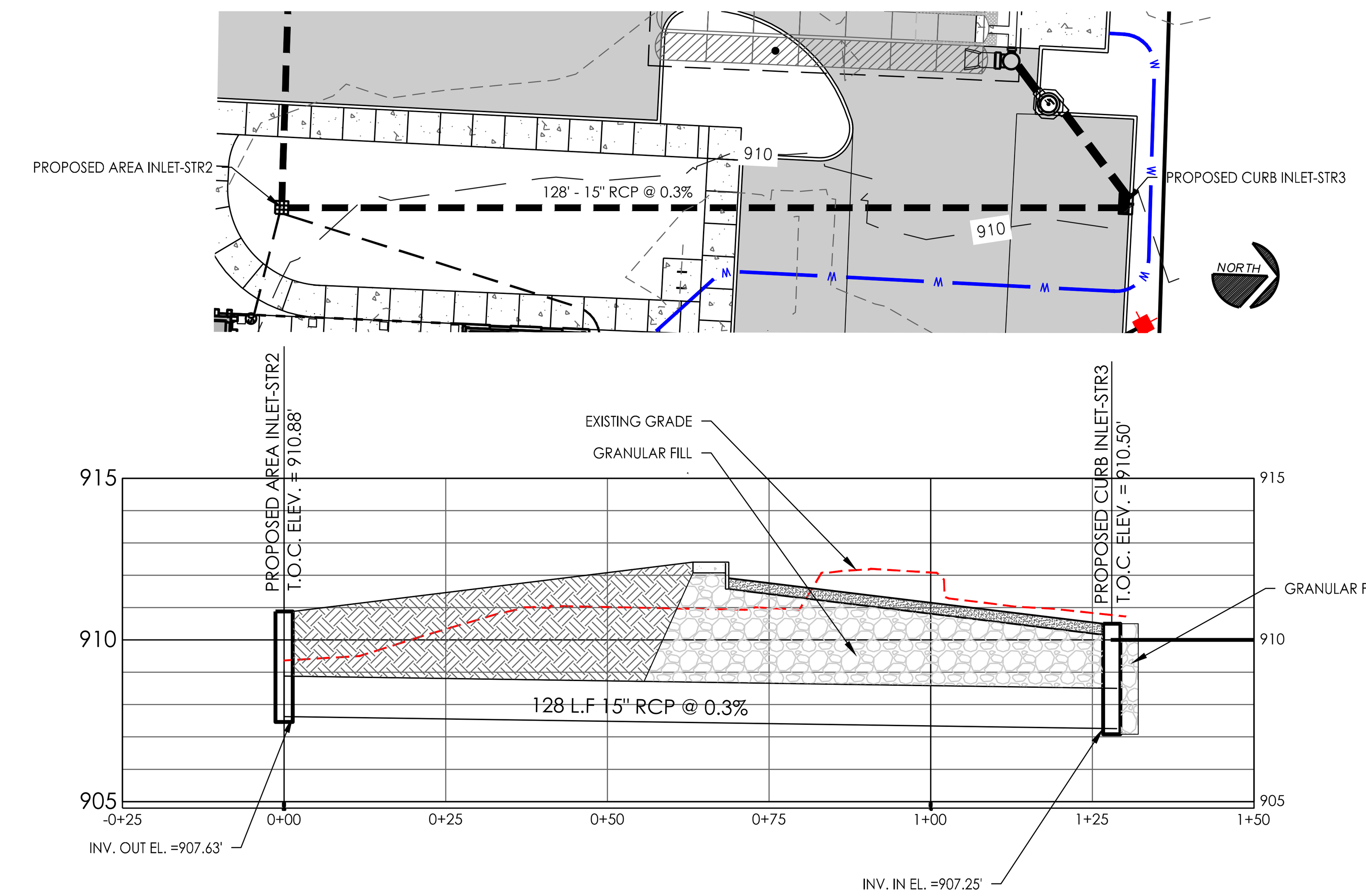
PROPOSED BUILDING
COMPTON DENTAL
15626 SPRING MILL ROAD
WESTFIELD, IN 46074

DRAWN BY: TEN
CHECKED BY: ALD
PROJECT No. 2103-029
SHEET No. C6.4



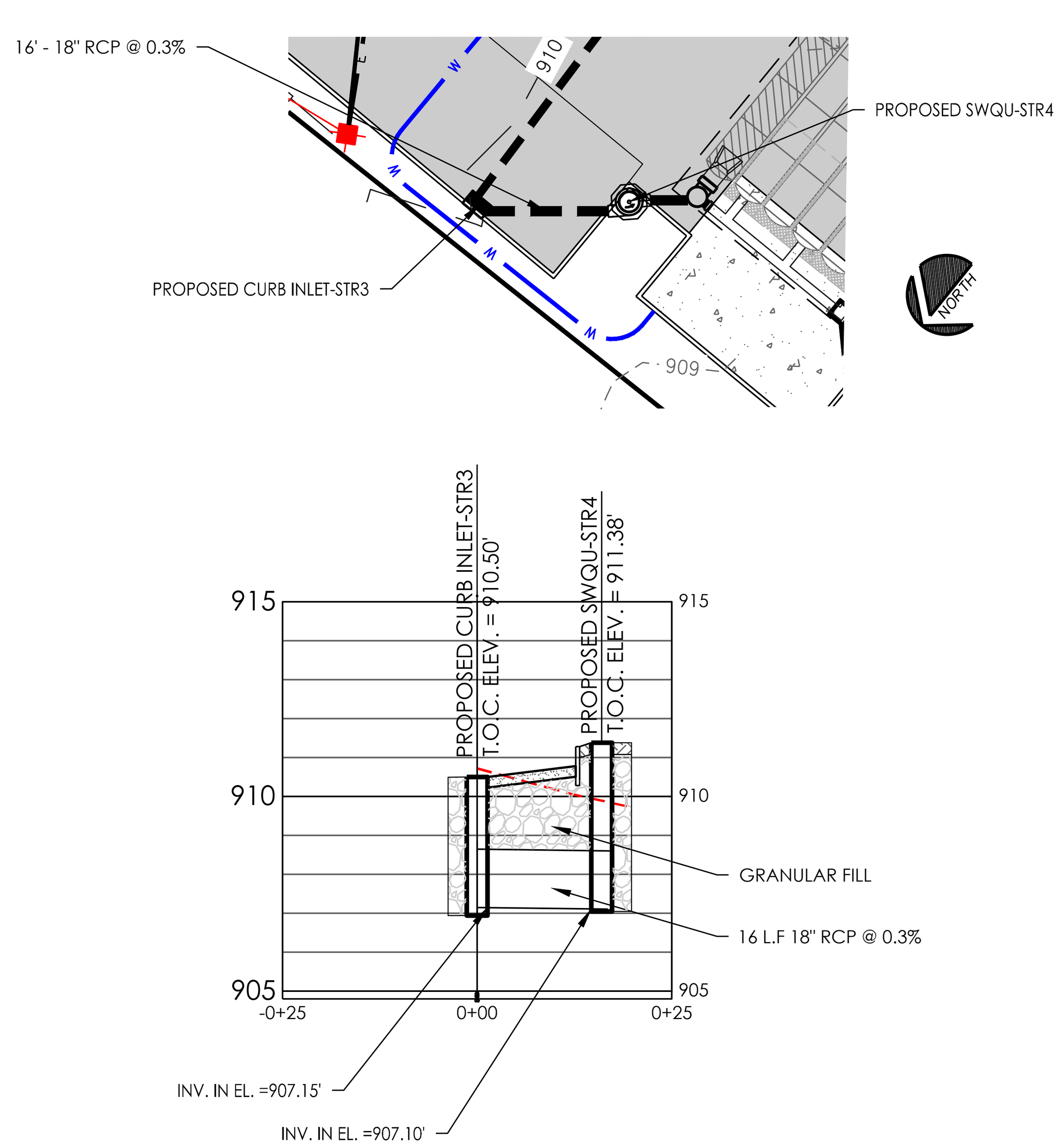
PROPOSED STORMWATER PROFILE STR1-STR2

VERTICAL: 1"=5'
HORIZONTAL: 1"=20'-0"



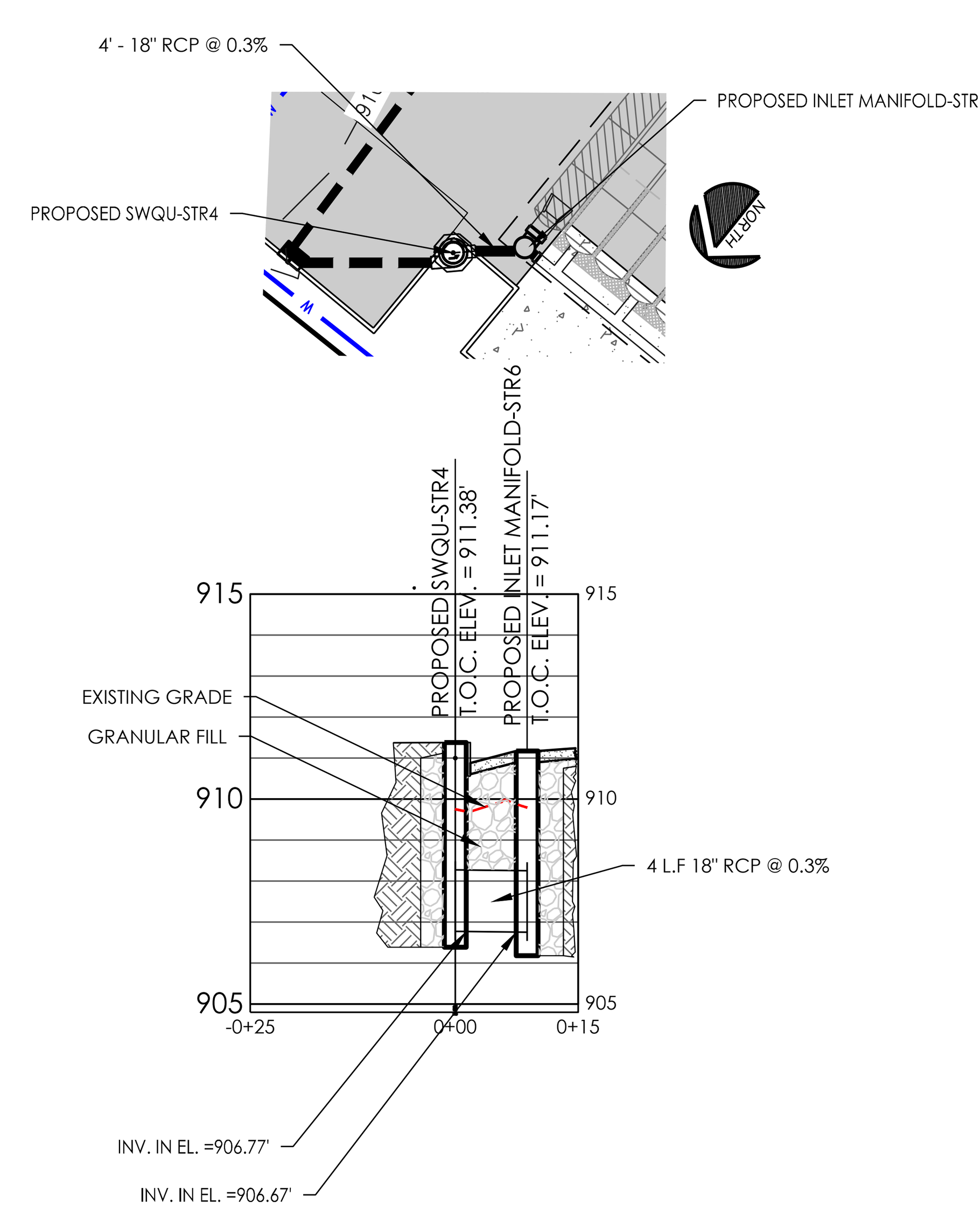
PROPOSED STORMWATER PROFILE STR2-STR3

VERTICAL: 1"=5'
HORIZONTAL: 1"=20'-0"



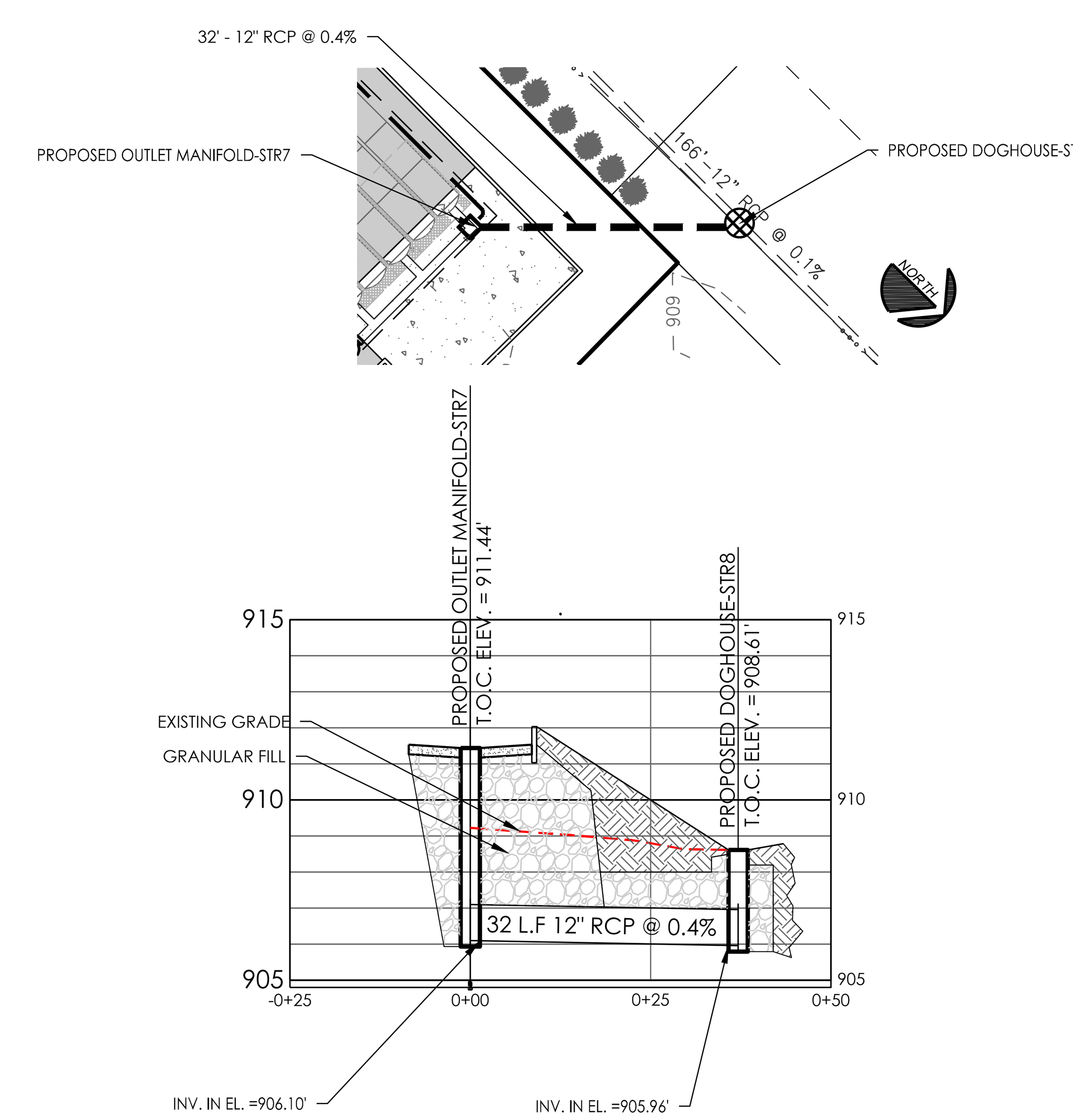
PROPOSED STORMWATER PROFILE STR3-STR4

VERTICAL: 1"=5'
HORIZONTAL: 1"=20'-0"



PROPOSED STORMWATER PROFILE STR4-STR6

VERTICAL: 1"=5'
HORIZONTAL: 1"=20'-0"



PROPOSED STORMWATER PROFILE STR7-STR8

VERTICAL: 1"=5'
HORIZONTAL: 1"=20'-0"

STORM PROFILES

APPROVAL PENDING NOT FOR CONSTRUCTION

DATE	ISSUE
06-25-2021	TAC REVIEW COMMENTS 1

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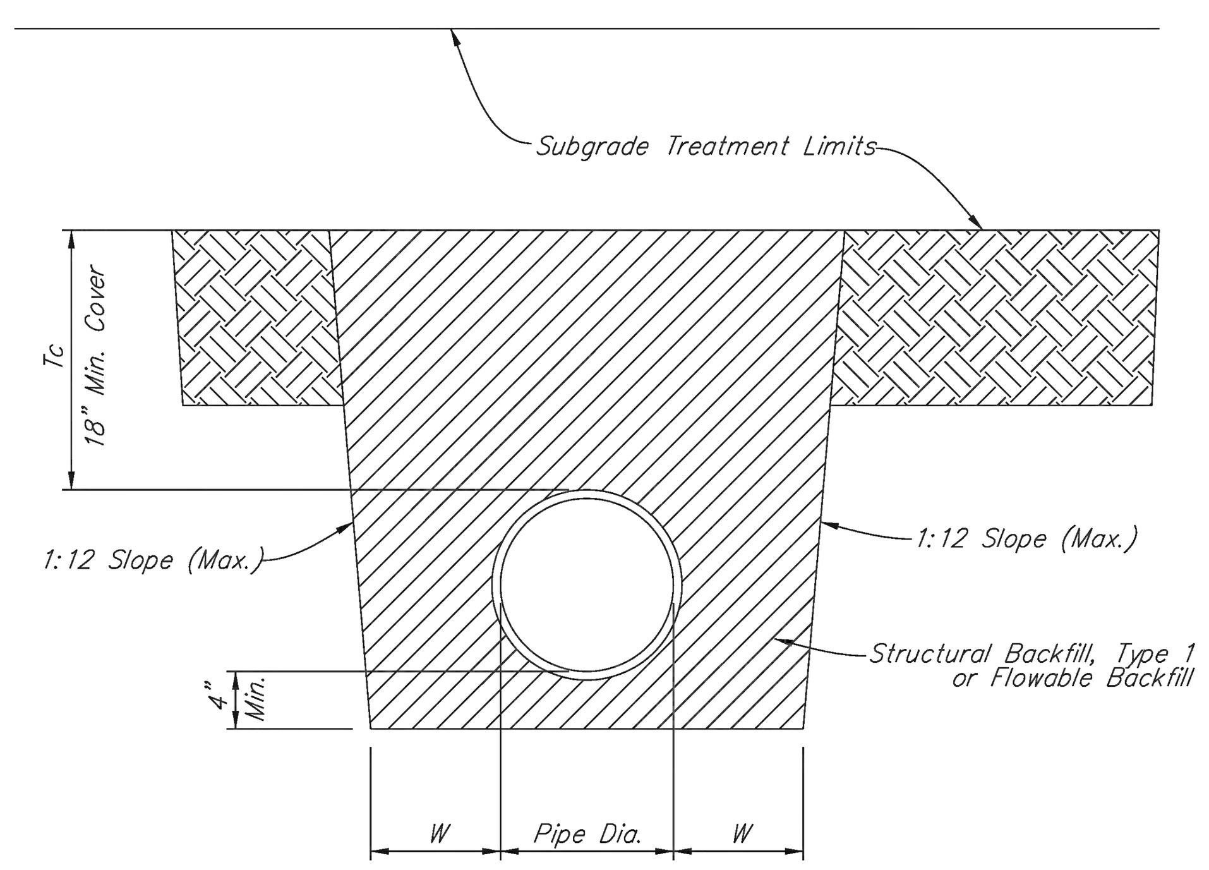
850 SOUTH MERIDIAN ST, INDIANAPOLIS, IN
317-261-0070

PROPOSED BUILDING
COMPTON DENTAL
15626 SPRING MILL ROAD
WESTFIELD, IN 46074

DRAWN BY: TEN
CHECKED BY: ALD
PROJECT No. 2103-029
SHEET No. C6.5



NOTES:
W = 0.3 x Pipe Diamter or 9" Min.
Tc = Structural Backfill Shall Extend to Bottom of Subgrade Treatment Limits, 18" Min.
All Backfill Shall Be In Accordance with INDOTSS 715.
Compaction Shall Be In Accordance with INDOTSS 211.
For Non-Pavement Applications, Min. Structural Backfill Over Pipe Shall Be 6". The Remaining Portion of Backfill May Be Non-Structural In Accordance with Westfield Standards and Specifications 0222-2.2B.

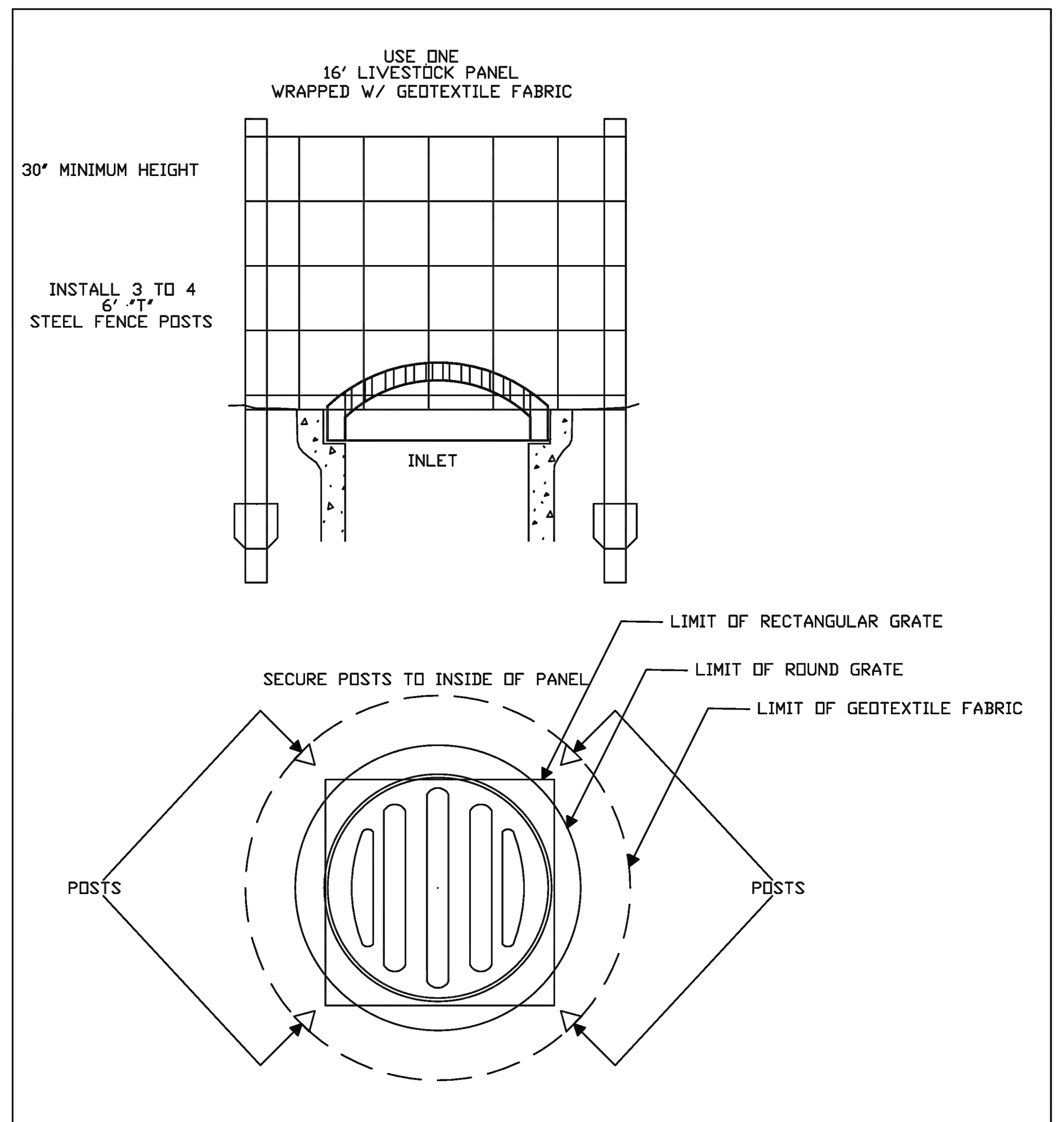
UTILITY BACKFILL DETAILS

CITY OF WESTFIELD, INDIANA

PHILLIP A. SUNDLING REGISTERED No. 11300022 STATE OF INDIANA PROFESSIONAL ENGINEER

2/10/17
DATE

FIGURE 2222-001



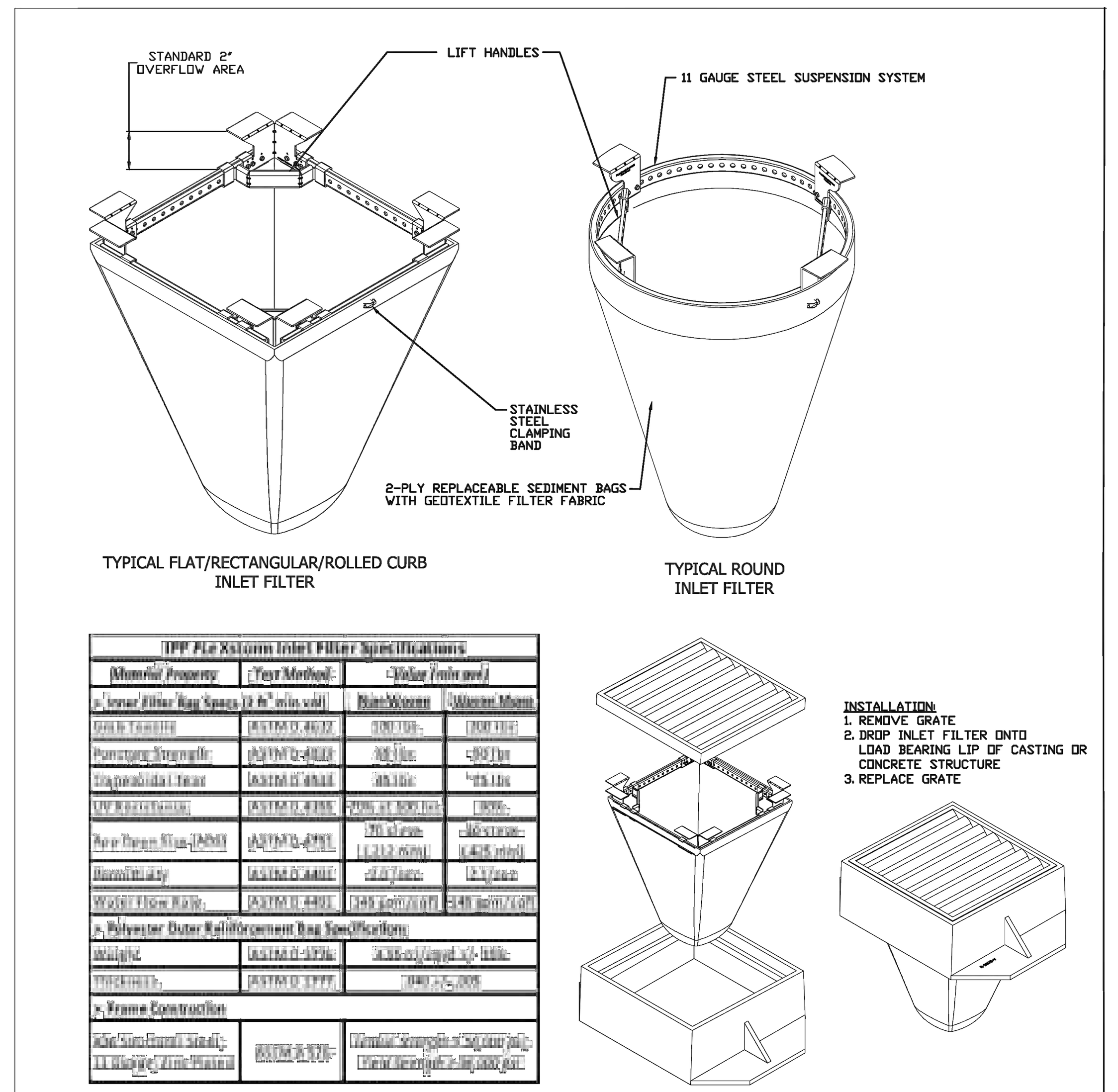
TEMPORARY DITCH INLET PROTECTION

CITY OF WESTFIELD, INDIANA

NEIL B. VANTREES REGISTERED No. 10809092 STATE OF INDIANA PROFESSIONAL ENGINEER

4/1/13
DATE

FIGURE EC-1



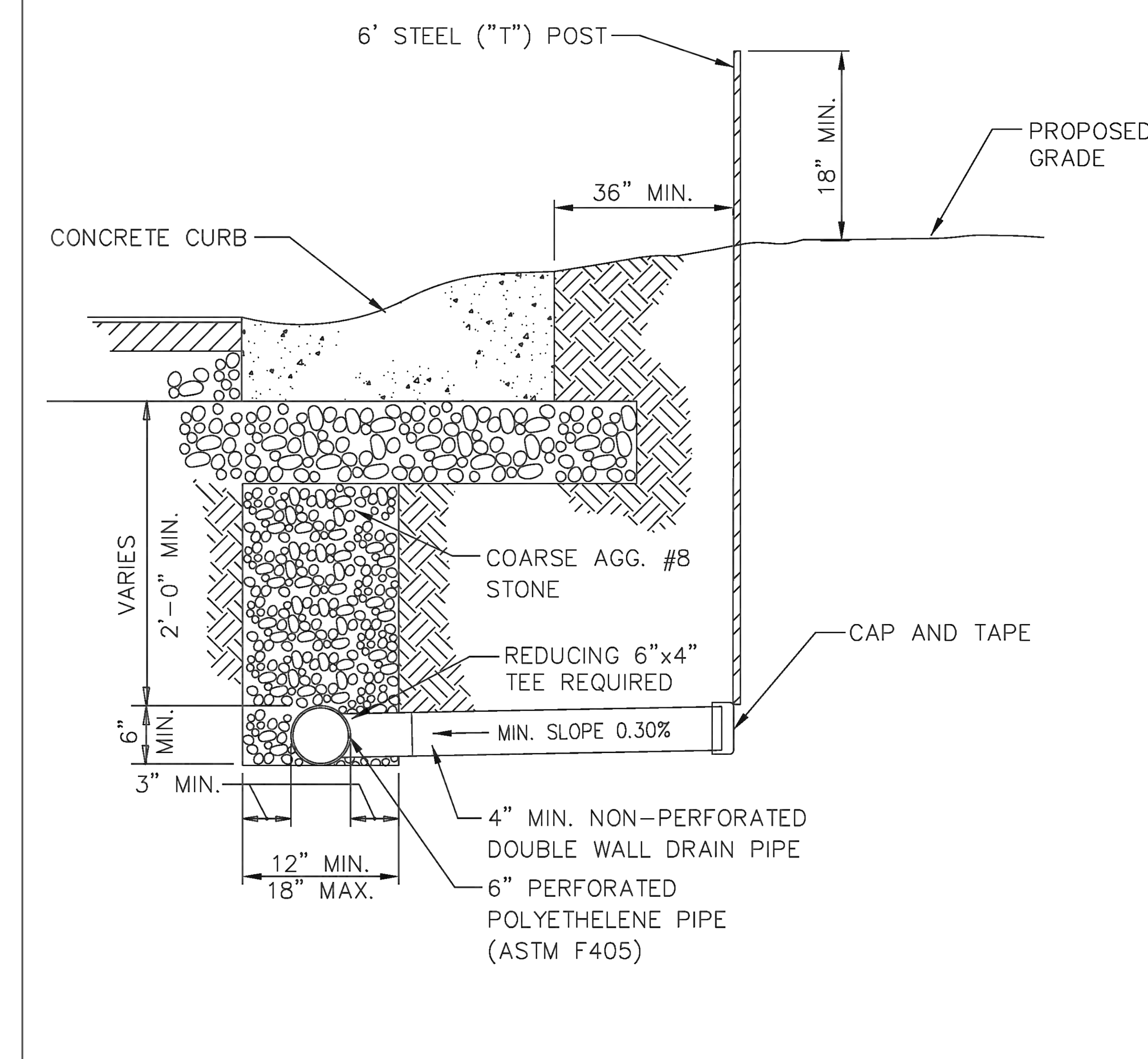
INLET PROTECTION

CITY OF WESTFIELD, INDIANA

NEIL B. VANTREES REGISTERED No. 10809092 STATE OF INDIANA PROFESSIONAL ENGINEER

4/1/13
DATE

FIGURE EC-6



NOTES:

1. LATERAL LOCATIONS SHALL BE STAMPED ON CURB PER WESTFIELD STANDARDS AND SPECS 2502-1.1F
2. MATERIALS AND INSTALLATION IN ACCORDANCE WITH INDOTSS 718.

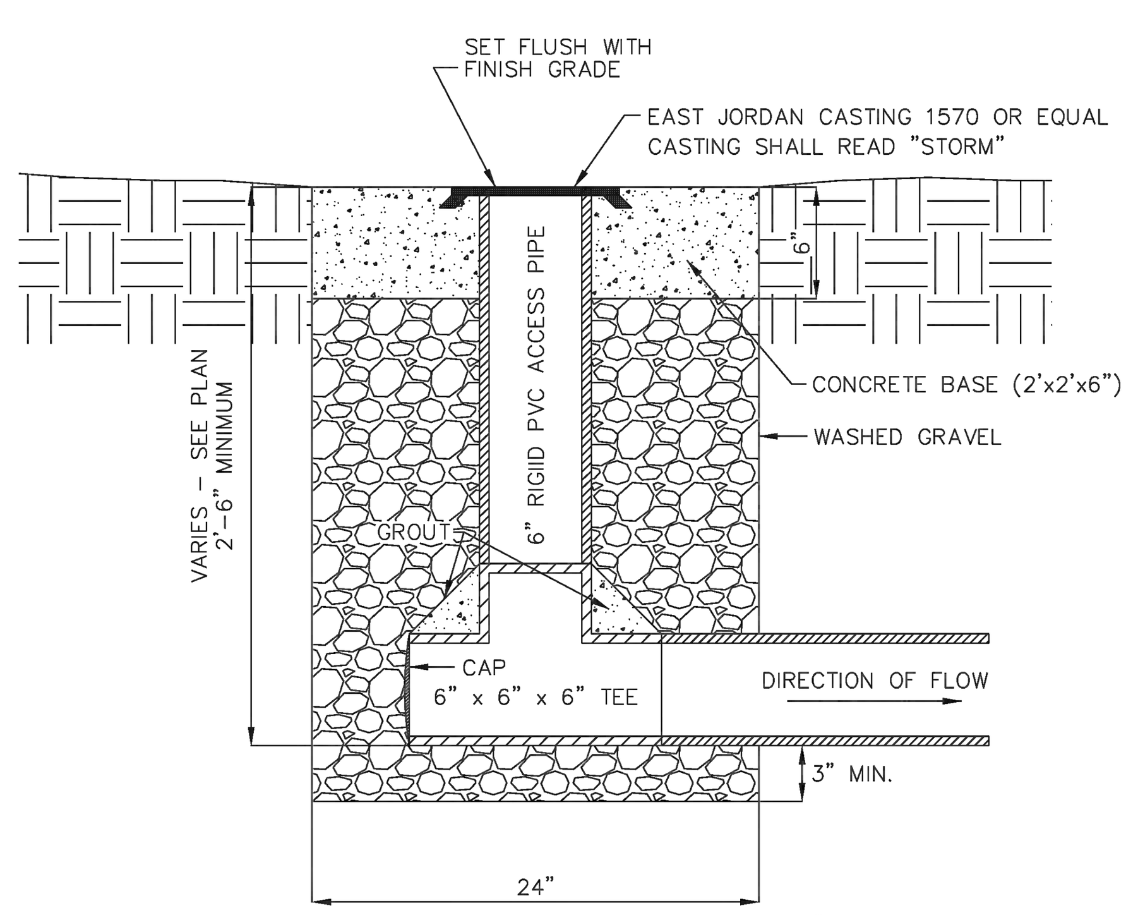
UNDERDRAIN DETAILS

CITY OF WESTFIELD, INDIANA

PHILLIP A. SUNDLING REGISTERED No. 11300022 STATE OF INDIANA PROFESSIONAL ENGINEER

2/26/16
DATE

FIGURE 2500-009



NOTE: MINIMUM 6" SUB SURFACE DRAIN
D= PIPE DIAMETER

NOTE: TILE SHALL BE DOUBLE WALL SMOOTH WALL PERFORATED HDPE PIPE.

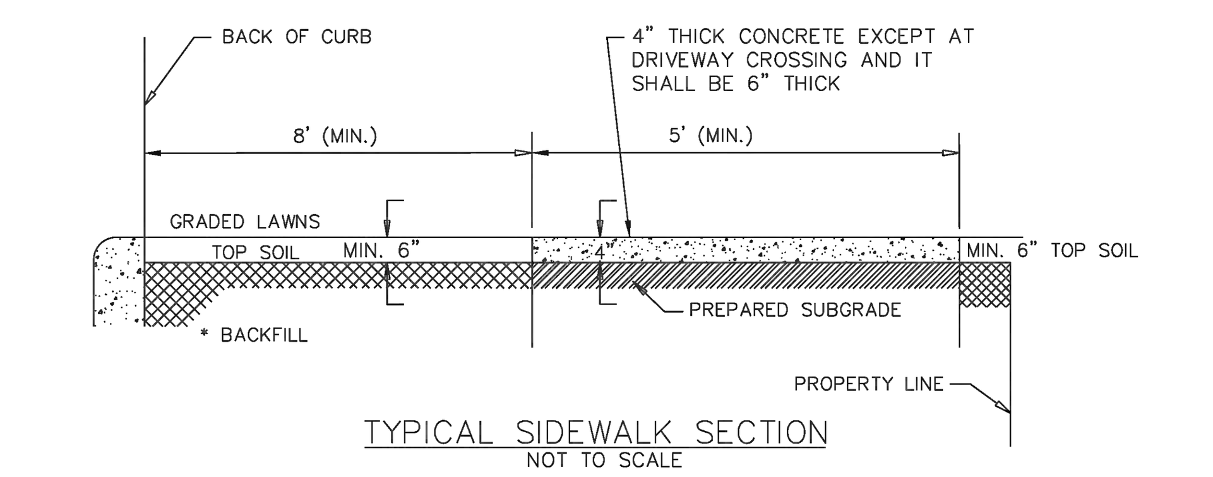
SUBSURFACE DRAIN (SSD) RISER DETAIL

CITY OF WESTFIELD, INDIANA

PHILLIP A. SUNDLING REGISTERED No. 11300022 STATE OF INDIANA PROFESSIONAL ENGINEER

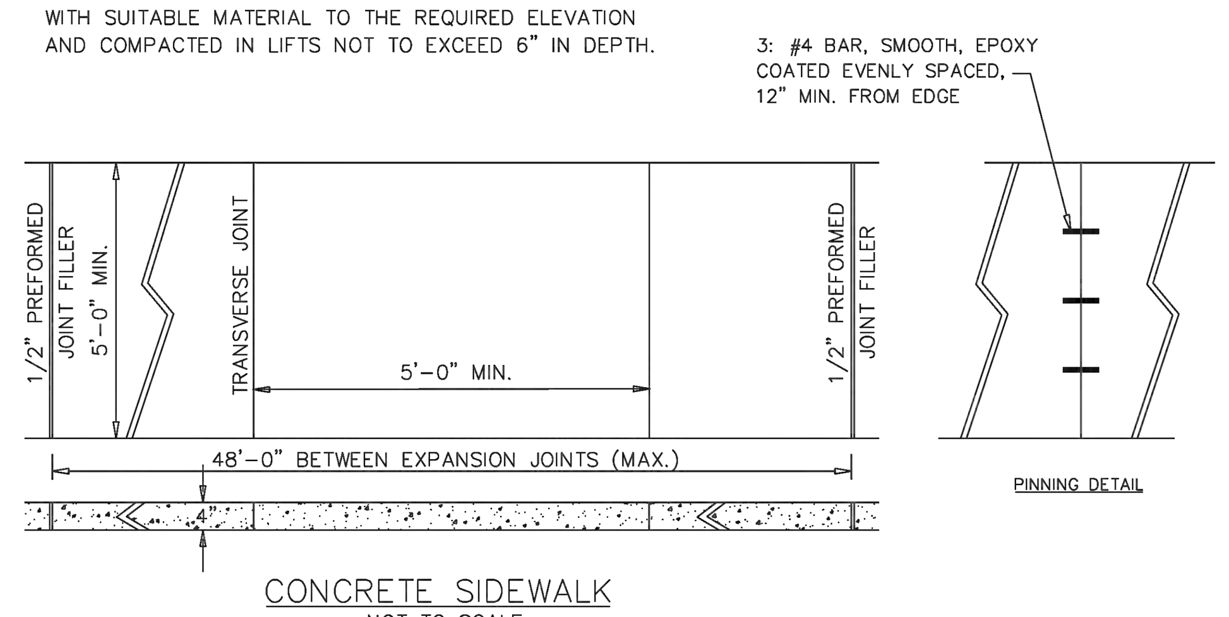
2/26/16
DATE

FIGURE ST-37



TYPICAL SIDEWALK SECTION
NOT TO SCALE

* THE SPACE BEHIND THE CURB SHALL BE FILLED WITH SUITABLE MATERIAL TO THE REQUIRED ELEVATION AND COMPACTED IN LIFTS NOT TO EXCEED 6" IN DEPTH.



CONCRETE SIDEWALK
NOT TO SCALE

NOTES:

SUBGRADE UNDER ALL SIDEWALKS, CURBS, AND DRIVES SHALL BE COMPACTED IN ACCORDANCE WITH INDOTSS 604, 605, AND 610, RESPECTIVELY. SIDEWALK SHALL BE PINNED AT DRIVEWAYS IN ACCORDANCE WITH WSS 2505.

SIDEWALK DETAILS

CITY OF WESTFIELD, INDIANA

JOHNATHON M. NAIL REGISTERED No. 11500005 STATE OF INDIANA PROFESSIONAL ENGINEER

Johnathon Nail

3/20/19
DATE

FIGURE 2500-010

APPROVAL PENDING NOT FOR CONSTRUCTION

DATE	ISSUE
06-01-2021	CLIENT REVIEW

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317-261-0070

PROPOSED BUILDING
COMPTON DENTAL

15626 SPRING MILL ROAD
WESTFIELD, IN 46074

DRAWN BY: TEN
CHECKED BY: ALD

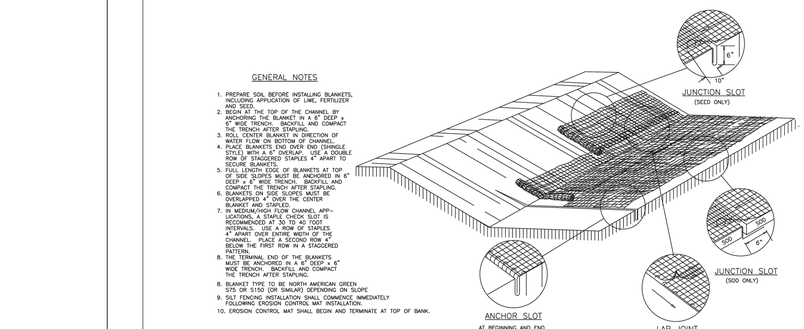
PROJECT No.
2103-029

SHEET No.
C7.1

WESTFIELD DETAILS

GENERAL NOTES

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER AND SEED.
2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" DEEP x 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW ON BOTTOM OF CHANNEL.
4. PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH A 4" OVERLAP. USE A DOUBLE ROW OF STAGGERED STAPLES 4" APART TO SECURE BLANKETS.
5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED IN 6" DEEP x 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
6. BLANKETS ON SIDE SLOPES MUST BE OVERLAPPED 4" OVER THE CENTER BLANKET AND STAPLED.
7. IN MEDIUM/HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS REQUIRED AT 30' MAXIMUM LENGTH INTERVALS. USE A ROW OF STAPLES 4" APART OVER ENTIRE WIDTH OF THE CHANNEL. PLACE A SECOND ROW 4" BELOW THE FIRST ROW IN A STAGGERED PATTERN.
8. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED IN A 6" DEEP x 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
8. BLANKET TYPE TO BE NORTH AMERICAN GREEN S75 OR S150 (OR SIMILAR) DEPENDING ON SLOPE.
9. SILT FENCING INSTALLATION SHALL COMMENCE IMMEDIATELY FOLLOWING EROSION CONTROL MAT INSTALLATION.
10. EROSION CONTROL MAT SHALL BEGIN AND TERMINATE AT TOP OF BANK.



EROSION CONTROL MAT – SLOPE DETAIL

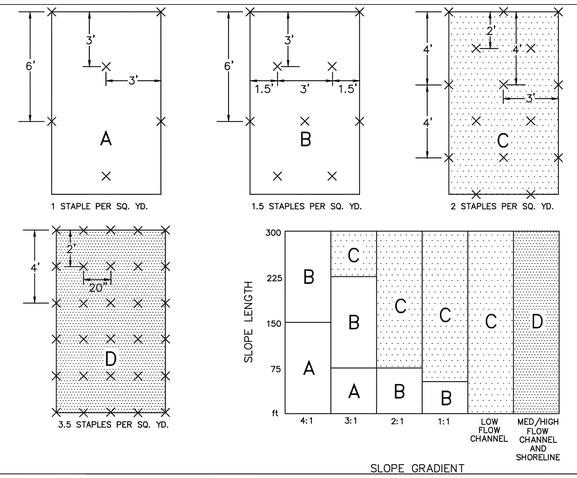
CITY OF WESTFIELD INDIANA

PHILIP A. SUNDING REGISTERED No. 11300022 STATE OF INDIANA PROFESSIONAL ENGINEER

2/25/15
DATE

CITY OF WESTFIELD INDIANA

FIGURE EC–02



EROSION CONTROL MAT – STAPLE GUIDE

CITY OF WESTFIELD INDIANA

NEIL S. VANDEVELDE REGISTERED No. 10809092 STATE OF INDIANA PROFESSIONAL ENGINEER

CITY OF WESTFIELD, INDIANA

4/1/14
DATE

FIGURE EC–3

APPROVAL PENDING NOT FOR CONSTRUCTION

ISSUE	DATE
CLIENT REVIEW	04-01-2021

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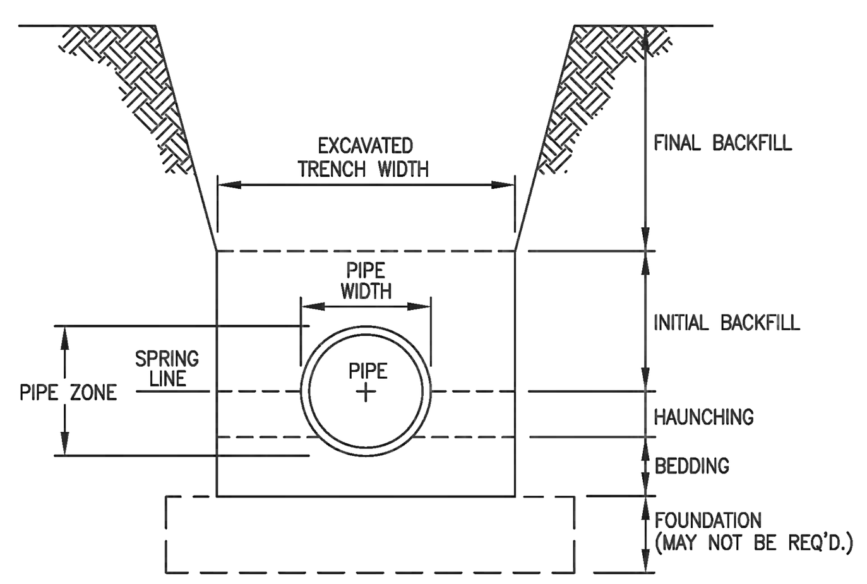
PROPOSED BUILDING
COMPTON DENTAL
15626 SPRING MILL ROAD
WESTFIELD, IN 46074

DRAWN BY: TEN
CHECKED BY: ALD

PROJECT No.
2103-029

SHEET No.
C7.2

WESTFIELD DETAILS

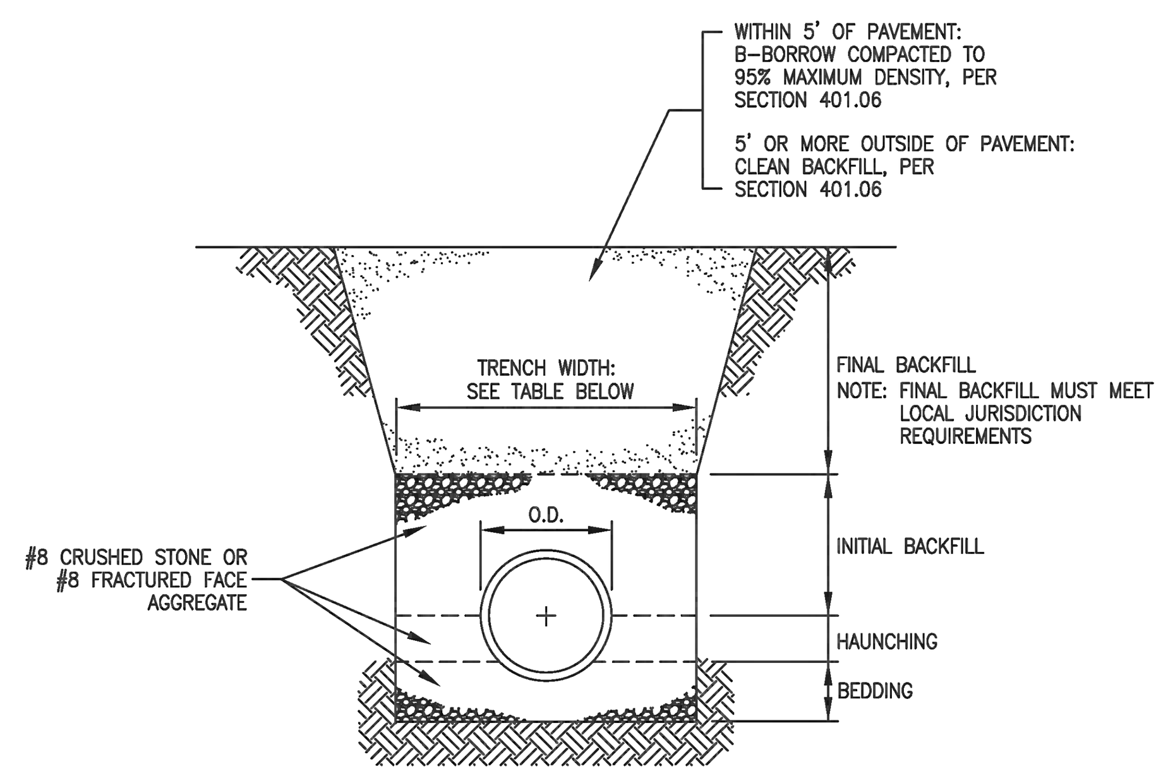


NOT TO SCALE

CITIZENS ENERGY GROUP

TERMS USED IN TRENCH DETAILS

FIGURE 100.01



MINIMUM BEDDING, HAUNCHING, AND INITIAL BACKFILL DEPTHS		
PIPE SIZE	BEDDING (BELOW PIPE BARREL)	HAUNCHING AND INITIAL BACKFILL (ABOVE TOP OF PIPE)
UNDER 8"	4" MIN.	4" MIN.
8" TO 15"	4" MIN.	12" MIN.
18" & OVER	8" MIN.	12" MIN.

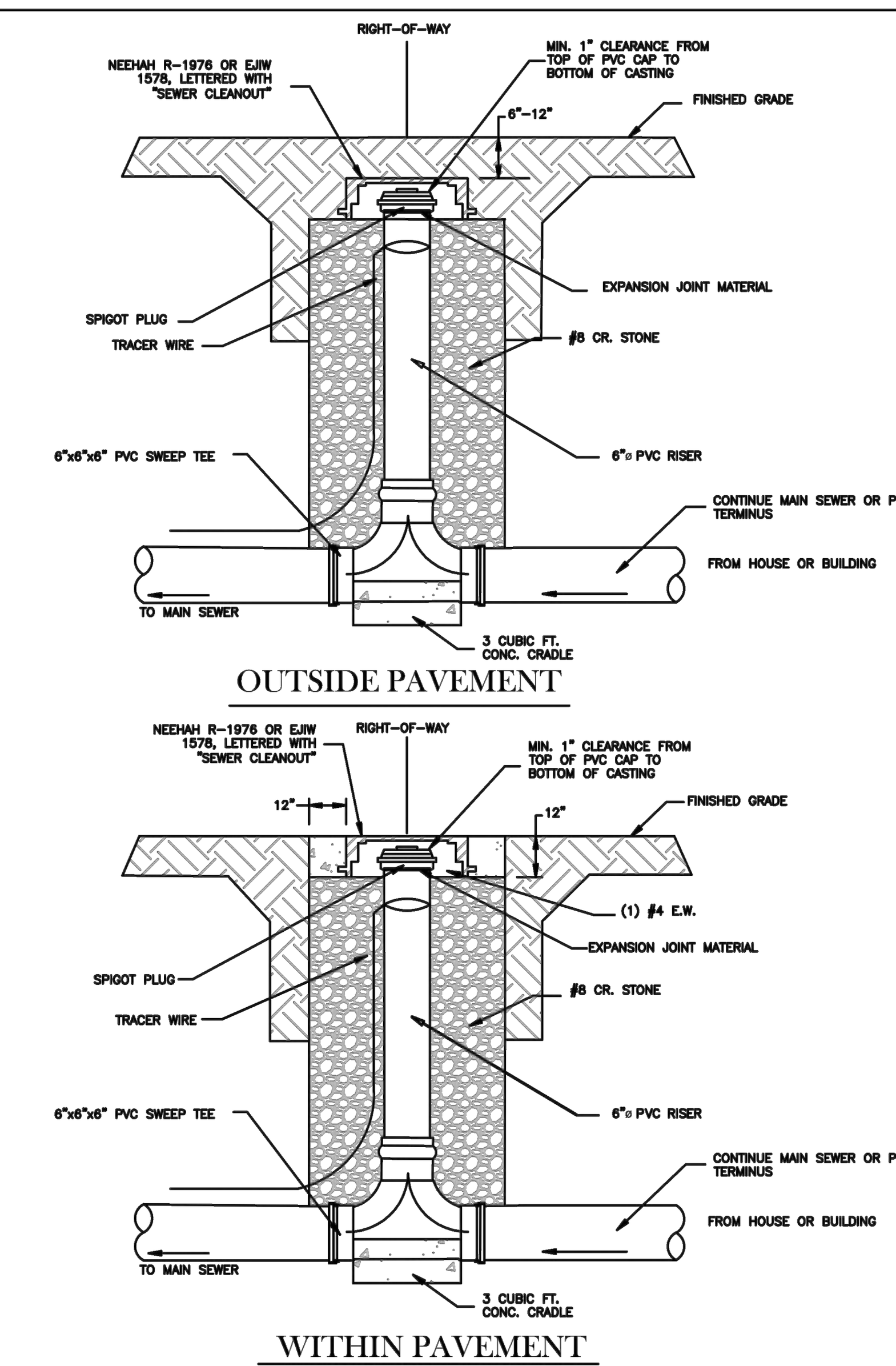
MINIMUM TRENCH WIDTHS	
PIPE SIZE	MINIMUM WIDTH
UP TO 18"	O.D. + 16"
18" & OVER	(O.D. x 1.25) + 12"

NOT TO SCALE

CITIZENS ENERGY GROUP

FLEXIBLE PIPE BEDDING & BACKFILL REQUIREMENTS

FIGURE 400.01



NOTES:
1. CONCRETE APRON AND CASTING SHALL BE INSTALLED SO THAT THEY DO NOT CONTACT THE CLEANOUT RISER PIPE OR CAP

NOT TO SCALE

CITIZENS ENERGY GROUP

RIGHT-OF-WAY CLEAN-OUT DETAIL

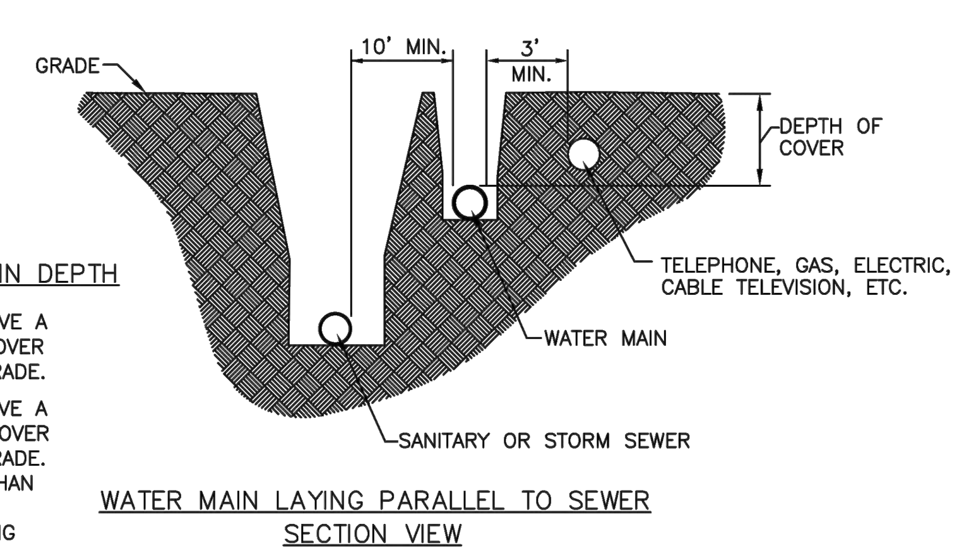
FIGURE 400.09

CITIZENS WATER
STANDARD PRACTICE **A**

REVISION DATE: 6/8/2009 ISSUE DATE: 6/8/2009

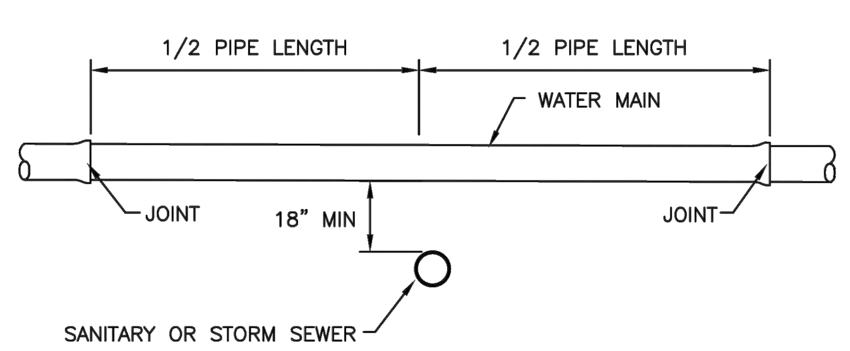
WATER AND SEWER MAIN SEPARATION DETAIL

NOTE:
WATER MAIN AND SANITARY SEWERS SHALL BE PLACED IN SEPARATE TRENCHES.



TYPICAL WATER MAIN DEPTH
1. ALL PIPE SHALL HAVE A MINIMUM OF 54" COVER BELOW FINISHED GRADE.
2. ALL PIPE SHALL HAVE A MAXIMUM OF 82" COVER BELOW FINISHED GRADE. DEPTHS GREATER THAN 82" COVER WILL REQUIRE A LOWERING

WATER MAIN LAYING PARALLEL TO SEWER
SECTION VIEW

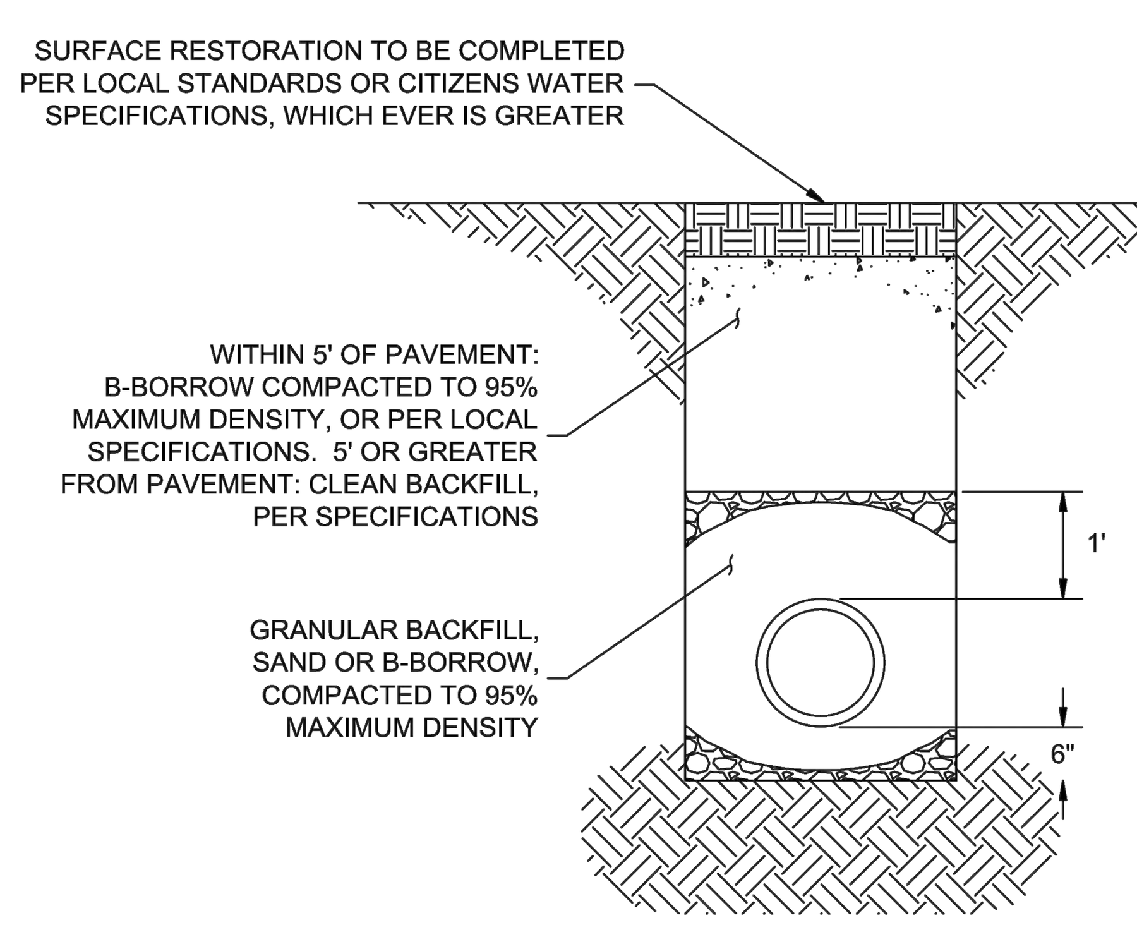


WATER MAIN CROSSING SEWER
SECTION VIEW

CITIZENS WATER
STANDARD PRACTICE **A.1**

REVISION DATE: 9/20/2018 ISSUE DATE: 7/17/2013

WATER MAIN AND SERVICE BACKFILL REQUIREMENTS



SCALE: NTS

NOTE:
COMPACTED BACKFILL IN LIFTS OF 12" MAXIMUM. TRENCH EXCAVATION SHALL CONFORM TO LOCAL STANDARDS.

CITIZENS WATER
STANDARD PRACTICE **T**

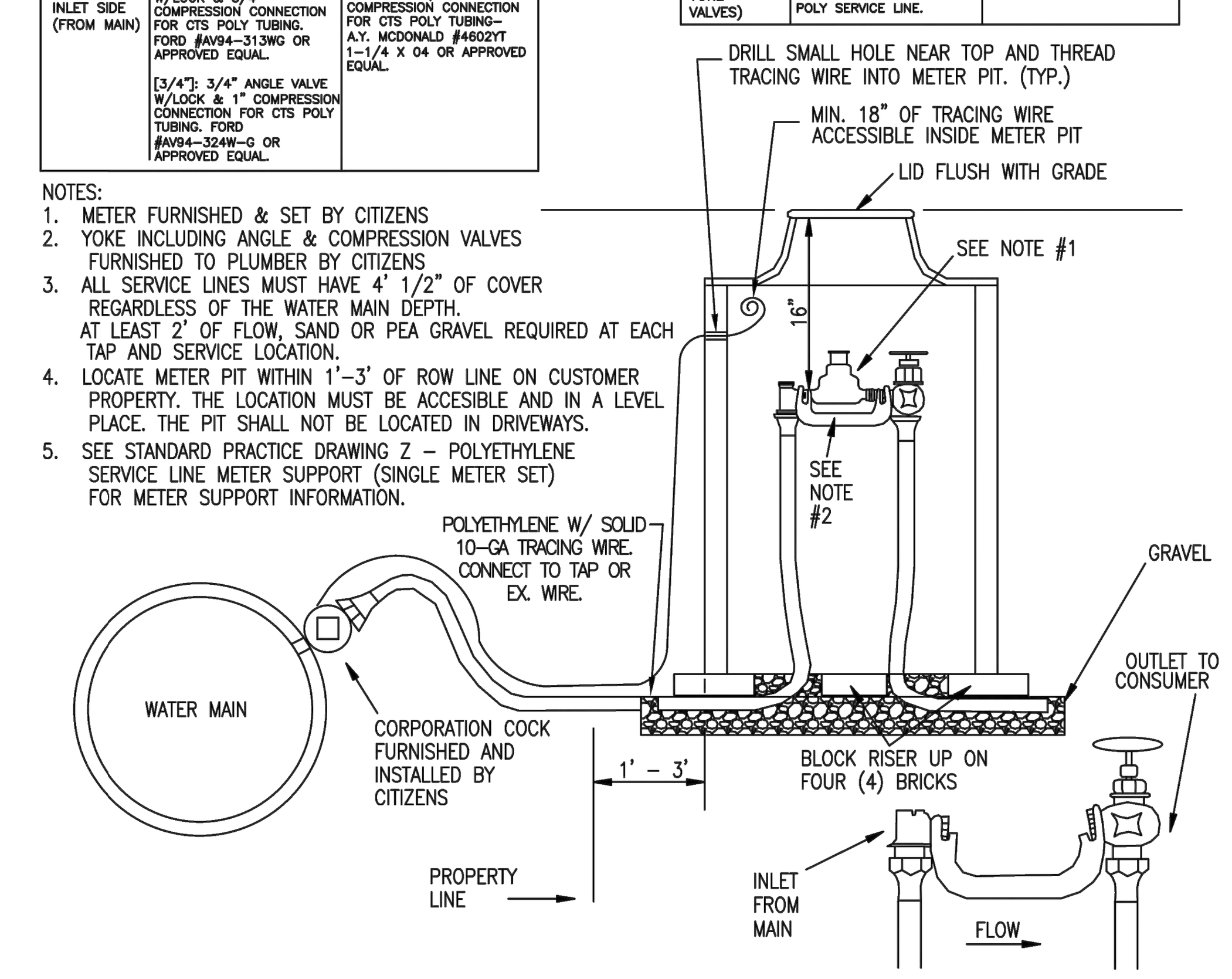
REVISION DATE: 10/20/2020 ISSUE DATE: 12/31/2019

STANDARD SERVICE LINE INSTALLATION AND SETTING FOR 5/8", 3/4", AND 1" METER IN SINGLE PIT

ITEM	5/8" & 3/4" METERS	1" METERS
METER PIT COVER	DFW PLASTICS, INC. PART #DFW12FTV-1WLA-LID w/ FORD METER BOX, INC. 20" x 24" METAL EXPANSION RING AND 20" LINER, OR APPROVED EQUAL. 11.5" DIA. LID W/ LG. PENT OPENING NUT.	DFW PLASTICS, INC. PART #DFW12FTV-1WLA-LID w/ FORD METER BOX, INC. 20" x 24" METAL EXPANSION RING AND 24" PIT LINER, OR APPROVED EQUAL. 4" DEPTH, 11.50" DIA. LID W/ LG. PENT OPENING NUT.
PIT	20X48" PLASTIC RISER: MIDSTATES PLASTICS, FRANCISVILLE TILE (FRATCO) OR APPROVED EQUAL	24X48" PLASTIC RISER: MIDSTATES PLASTICS, FRANCISVILLE TILE (FRATCO) OR APPROVED EQUAL
SUPPORT	SINGLE METER SUPPORT PER STANDARD PRACTICE Z.	SINGLE METER SUPPORT PER STANDARD PRACTICE Z.
YOKE	FORD 501-P PRONGED YOKE FOR 5/8" METERS OR APPROVED EQUAL, FORD 503-P PRONGED YOKE FOR 3/4" METERS OR APPROVED EQUAL.	FORD 504P PRONGED YOKE FOR 1" METERS OR APPROVED EQUAL.
VALVES: INLET SIDE (FROM MAIN)	[5/8"]: 5/8" ANGLE VALVE W/LOCK & 3/4" COMPRESSION CONNECTION FOR CTS POLY TUBING. FORD #AV94-313WG OR APPROVED EQUAL. [3/4"]: 3/4" ANGLE VALVE W/LOCK & 1" COMPRESSION CONNECTION FOR CTS POLY TUBING. FORD #AV94-324W-G OR APPROVED EQUAL.	[1"]: 1"ANGLE VALVE W/ LOCK & 1 1/4" COMPRESSION CONNECTION FOR CTS POLY TUBING- A.Y. MCDONALD #4602YT 1-1/4 X 04 OR APPROVED EQUAL.

ITEM	5/8" & 3/4" METERS	1" METERS
VALVES: OUTLET SIDE (TO CUSTOMER)	[5/8"]: 5/8" GLOBE STYLE COMPRESSION VALVE W/ "T" OPERATING HANDLE & 3/4" COMPRESSION CONNECTION FOR CTS POLY TUBING -**FORD ONLY #GA94-313-G [3/4"]: 3/4" GLOBE STYLE COMPRESSION VALVE W/ "T" OPERATING HANDLE & 1" COMPRESSION CONNECTION FOR CTS POLY TUBING -**FORD ONLY #GA94-324-AWT-G	[1"]: 1" GLOBE STYLE COMPRESSION VALVE W/"T" OPERATING HANDLE & 1 1/4" COMPRESSION CONNECTION FOR CTS POLY TUBING- **FORD ONLY #GA94-445-AWT-G
RISER SIZE & SERVICE LINE SIZE (TUBING LEADING TO AND FROM YOKE VALVES)	[5/8"]: 3/4" CTS SDR9 AWWA POLY TUBING [3/4"]: 1" CTS SDR 9 AWWA POLY TUBING ***MUST UTILIZE A STAINLESS STEEL INSERT STIFFENER AT ALL COMPRESSION CONNECTIONS WHEN USING CTS POLY TUBING IN ALL CASES 10 GA. SOLID THHN, BLUE SHELL TRACING WIRE MUST BE INSTALLED WITH THE POLY SERVICE LINE.	[1"]: 1 1/4" CTS SDR9 AWWA POLY TUBING ***MUST UTILIZE A STAINLESS STEEL INSERT STIFFENER AT ALL COMPRESSION CONNECTIONS IN ALL CASES 10 GA. SOLID THHN, BLUE SHELL TRACING WIRE MUST BE INSTALLED WITH THE POLY SERVICE LINE.

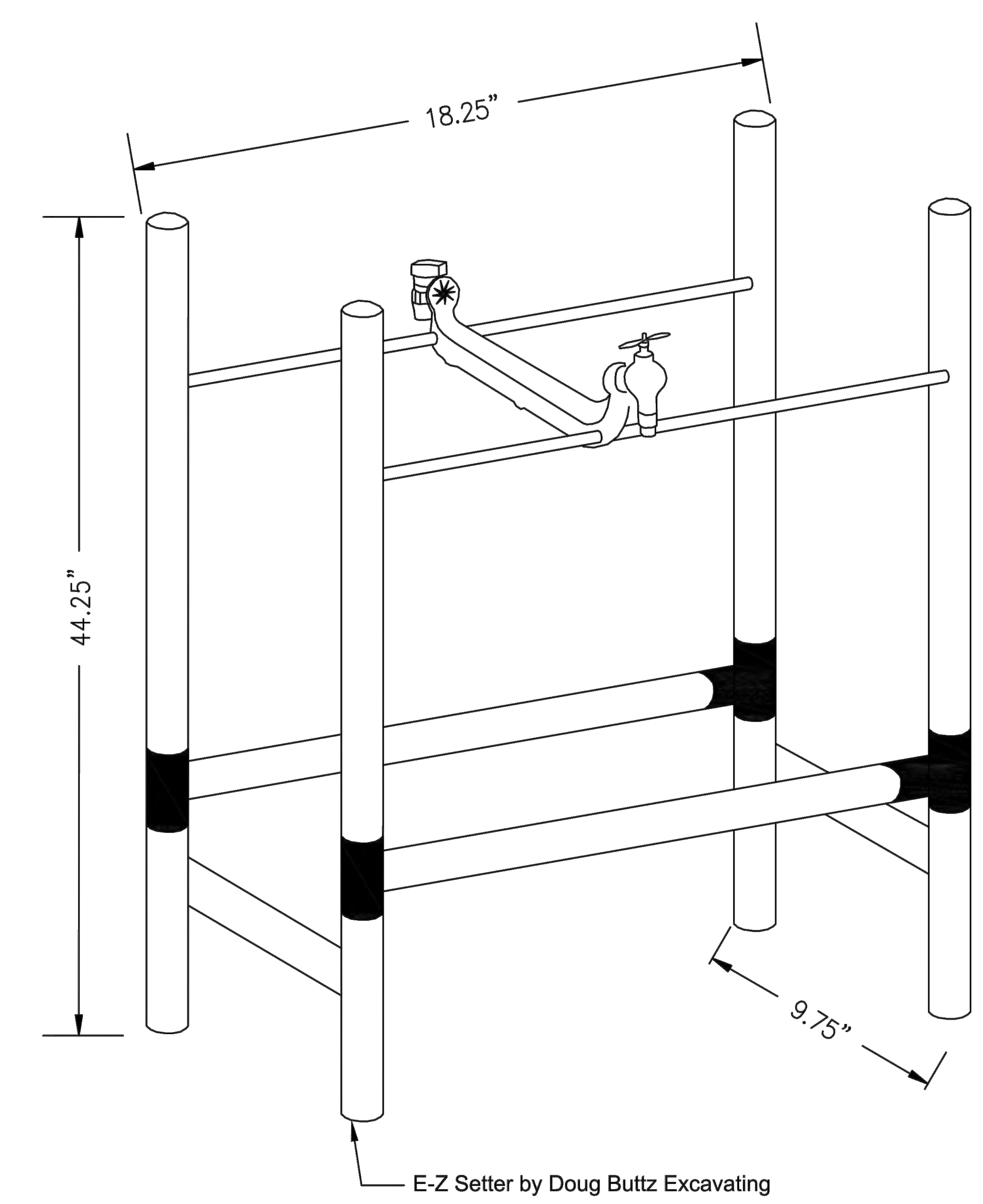
NOTES:
1. METER FURNISHED & SET BY CITIZENS
2. YOKE INCLUDING ANGLE & COMPRESSION VALVES FURNISHED TO PLUMBER BY CITIZENS
3. ALL SERVICE LINES MUST HAVE 4' 1/2" OF COVER REGARDLESS OF THE WATER MAIN DEPTH. AT LEAST 2' OF FLOW, SAND OR PEA GRAVEL REQUIRED AT EACH TAP AND SERVICE LOCATION.
4. LOCATE METER PIT WITHIN 1'-3' OF ROW LINE ON CUSTOMER PROPERTY. THE LOCATION MUST BE ACCESIBLE AND IN A LEVEL PLACE. THE PIT SHALL NOT BE LOCATED IN DRIVEWAYS.
5. SEE STANDARD PRACTICE DRAWING Z - POLYETHYLENE SERVICE LINE METER SUPPORT (SINGLE METER SET) FOR METER SUPPORT INFORMATION.



CITIZENS WATER
STANDARD PRACTICE **Z**

REVISION DATE: 11/14/2019 ISSUE DATE: 12/31/2019

POLYETHYLENE SERVICE LINE METER SUPPORT



CITIZENS DETAILS

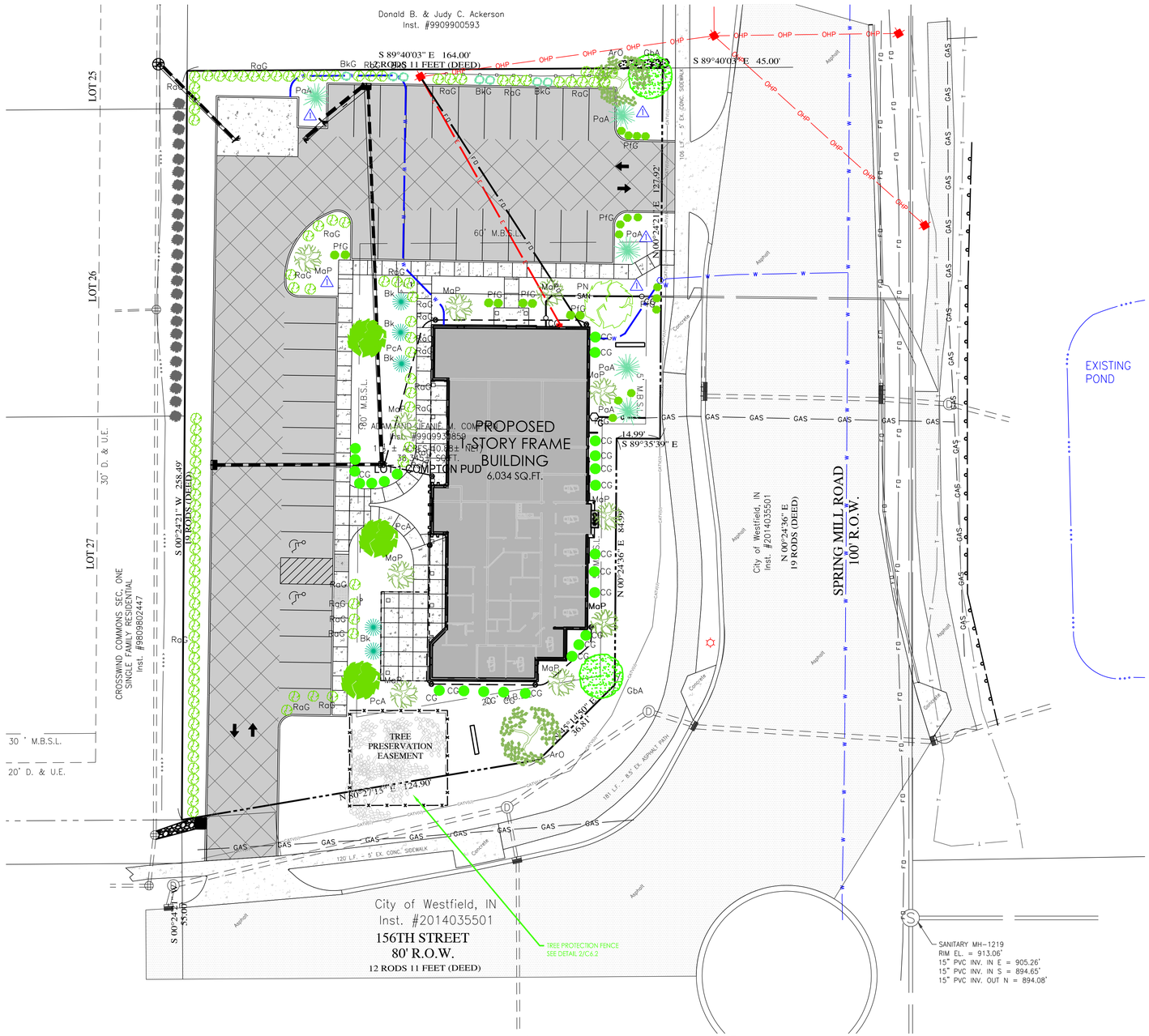
DATE	ISSUE
06-01-2021	CLIENT REVIEW

KEELER-WEBB ASSOCIATES
Consulting Engineers-Planners-Surveyors
486 GRADLE DRIVE
CARMEL, INDIANA 46032
PHONE (317) 574-0140
FAX (317) 574-1269 adehart@keelerwebb.com

prince alexander
ARCHITECTURE ENGINEERING LAND PLANNING URBAN DESIGN ECONOMIC DEVELOPMENT INTERIOR DESIGN PROJECT MANAGEMENT
850 SOUTH MERIDIAN ST, INDIANAPOLIS, IN
317-261-0070

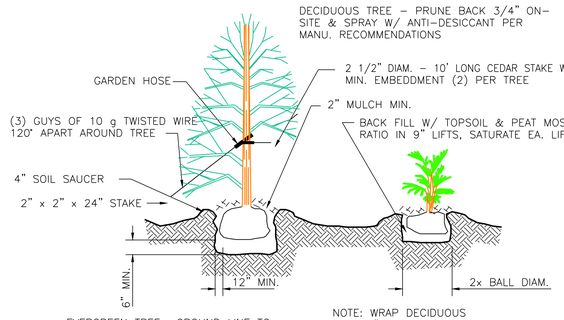
PROPOSED BUILDING
COMPTON DENTAL
15626 SPRING MILL ROAD
WESTFIELD, IN 46074

DRAWN BY: TEN
CHECKED BY: ALD
PROJECT No. 2103-029
SHEET No. C8



TREE AND SHRUB PLANTING SCHEDULE						
KEY	SCIENTIFIC NAME	COMMON NAME	SIZE (min.)	ROOTING	SPACING	QUANTITY
CG	CAREX GLAUCA	BLUE SEDGE	18"	BALL & BURLAP	3' o.c.	23
Bk	BUXUS X KOREANA 'GREEN VELVET'	GREEN VELVET BOXWOOD	36"	BALL & BURLAP	6' o.c.	5
PfG	POTENTILLA FRUTICOSA 'GOLDFINGER'	GOLDFINGER POTENTILLA	18"	BALL & BURLAP	3' o.c.	22
RaG	RHUS AROMATICA 'GROLOW'	GROLOW SUMAC	18"	BALL & BURLAP	3' o.c.	90
BkG	BUXUS X KOREANS 'GREEN GEM'	GREEN GEM BOXWOOD	18"	BALL & BURLAP	3' o.c.	7
PN	PINUS NIGRA	AUSTRIAN PINE – Evergreen ⚠1	2" cal.	WIREBALL	AS SHOWN	1
PcA	PYRUS CALLERYANA 'ARISTOCRAT'	ARISTOCRAT FLOWERING PEAR – Oriental ⚠1	2" cal.	WIREBALL	AS SHOWN	3
PaA	PICEA ABIE 'ACROCONA'	ACROCONA SPRUCE – Evergreen ⚠1	5' HIGH	BALL & BURLAP	AS SHOWN	5
ArO	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE – Shade ⚠1	10' HIGH 2" cal.	BALL & BURLAP	AS SHOWN	2
GbA	GINKO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD GINKO – Shade ⚠1	2" cal.	BALL & BURLAP	AS SHOWN	2
MaP	MALUS 'PRAIRIE FIRE'	'PRAIRIE FIRE' CRABAPPLE – Ornimental ⚠1	2" cal.	BALL & BURLAP	AS SHOWN	10

1. ALL GREEN AREAS SHALL HAVE A MINIMUM OF 4" OF TOPSOIL. MULCH SEEDING SHALL BE INSTALLED IN SUCH A WAY AS TO NOT ERODE AWAY.
2. PLANTING AREAS AND TREE LOCATIONS SHALL HAVE MULCH 3" DEEP (MINIMUM).
3. ALL MULCH SEEDING AREAS SHALL BE LOOSENED TO A MINIMUM DEPTH OF 3" BEFORE FERTILIZER AND SEED ARE INSTALLED.
4. ALL TREES SHALL BE STAKED.



NOTES:
1. FOR POORLY DRAINED SOILS PLANT ROOT BALL 1/3 ABOVE EXISTING GRADE.
2. SLOPE GRADE AWAY FROM ROOTS TO 2x DIAMETER OF ROOT BALL.
3. ROOT FLARE TO BE PLANTED @ GROUND LEVEL ON ALL TREES.
4. TRUNK WRAP SENSITIVE TREES. ONLY.
5. WATER TREES WITH 1 1/2" OF WATER @ TIME OF PLANTING.
6. BACKFILL TO 2x THE DIAMETER OF THE ROOT BALL WITH SUITABLE TOPSOIL.
7. REMOVE ALL STRING AND TWINE, ROLL BURLAP DOWN INTO HOLE.
8. SLOPE SIDES OF HOLE TO 2x THE ROOT BALL DIAMETER.
9. EXCAVATE NECESSARY SOILS TO STABILIZE PLANTING TO PREVENT TIPPING OVER.
10. REMOVE ALL STAKES AND WIRES WITHIN ONE YEAR.

PLANTING DETAILS FOR TREES & SHRUBS — 1 / L1

THIS PLAN TO BE USED FOR LANDSCAPING PURPOSES ONLY. REFER TO OTHER SHEETS FOR ALL DIMENSIONS AND/OR CONSTRUCTION SPECIFICATIONS
THERE SHALL BE NO TREES WITHIN 10 FEET OF ANY STORM SEWER
STREET TREES SHALL NOT BE WITHIN 4 FEET OF ANY PAVEMENT
ALL STREET TREES TO MATCH WESTFIELD MASTER TREE LIST

PROPOSED LANDSCAPE PLAN
GRAPHIC SCALE
0 20 30 40 60 100
(IN FEET)
1 inch = 20 ft.

APPROVAL PENDING NOT FOR CONSTRUCTION

ISSUE	DATE
CLIENT REVIEW	06-01-2021
TAC REVIEW COMMENTS ⚠1	06-25-2021

KEELER-WEBB ASSOCIATES
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466 GRADLE DRIVE
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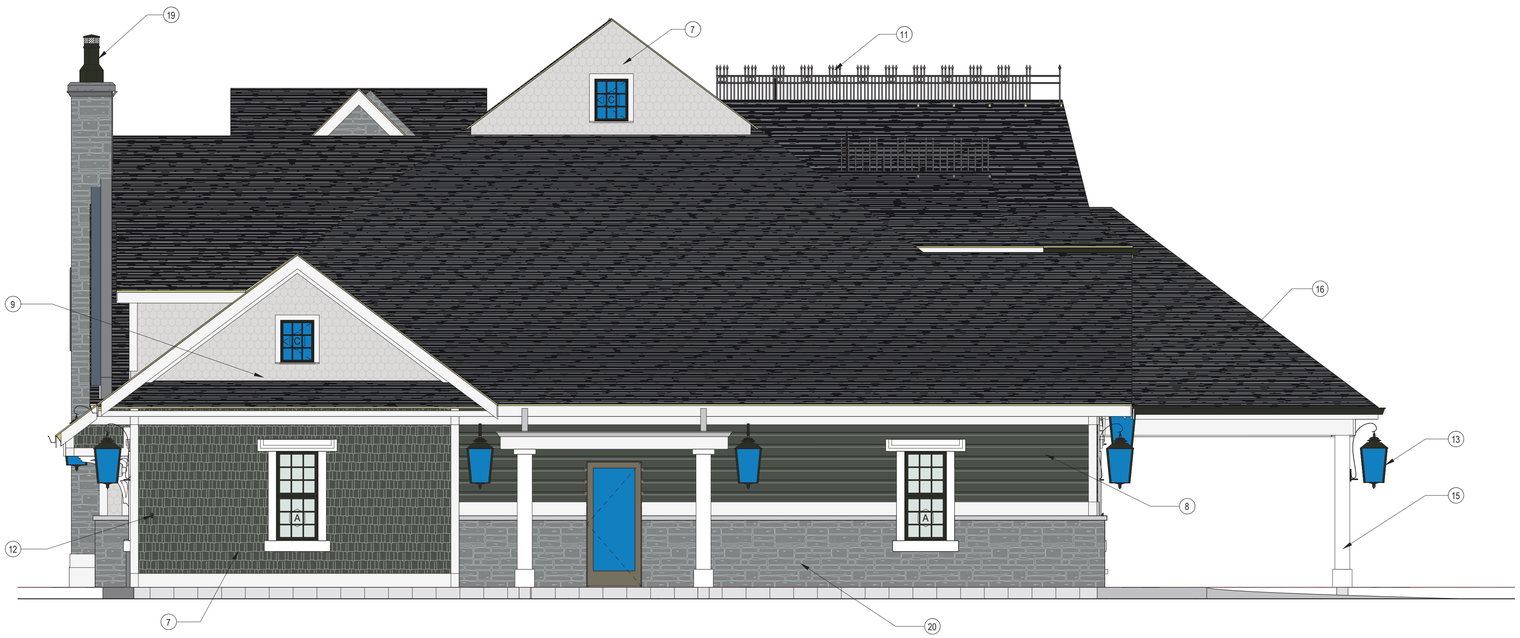
PROPOSED BUILDING
COMPTON DENTAL
15626 SPRING MILL ROAD
WESTFIELD, IN 46074

DRAWN BY: TEN
CHECKED BY: ALD
PROJECT No. 2103-029
SHEET No. L1

1 WEST ELEVATION

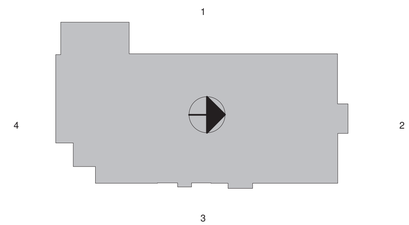
1/4" = 1'-0"



2 NORTH ELEVATION

1/4" = 1'-0"

MATERIAL KEY ELEVATIONS	
KEYNOTE NUMBER	Comment
1	RAKE TRIM 1x6
2	RALU TRIM 1x8
4	TRIM 1x6
5	BASE TRIM 1x10
7	SHAKE
8	SHIPLAP SIDING
9	SCALLOPED
10	RAILING GUARDRAIL
11	WROUGHT IRON RAILING
12	HOSE BIBB
13	EXTERIOR COACH LIGHT
14	VICTORIAN BRACKET
15	COLUMN
16	#235 FIBERGLASS SHINGLES
17	24" SIGN TEXT
18	12" SIGN TEXT
19	CHIMNEY POT
20	STONE VENEER 1
21	ROUND LOUVER
22	CORBEL
23	1x8 GUTTER BD
24	1x10 FACIA BD
25	5" GUTTER & DS. 3x4
26	CAP FLASHING @ BRICK WAINSCOT



ELEVATION KEYPLAN

1/32" = 1'-0"

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850 S. Meridian St., Indianapolis, IN 46225, United States
Phone: 317-261-0070 www.princealexander.biz

PROJECT

COMPTON CORE & SHELL

15626 SPRING MILL ROAD, WESTFIELD, IN 46074

REVISIONS

No.	Description	Date

SHEET TITLE

ELEVATIONS

DATE

03/17/21

P1

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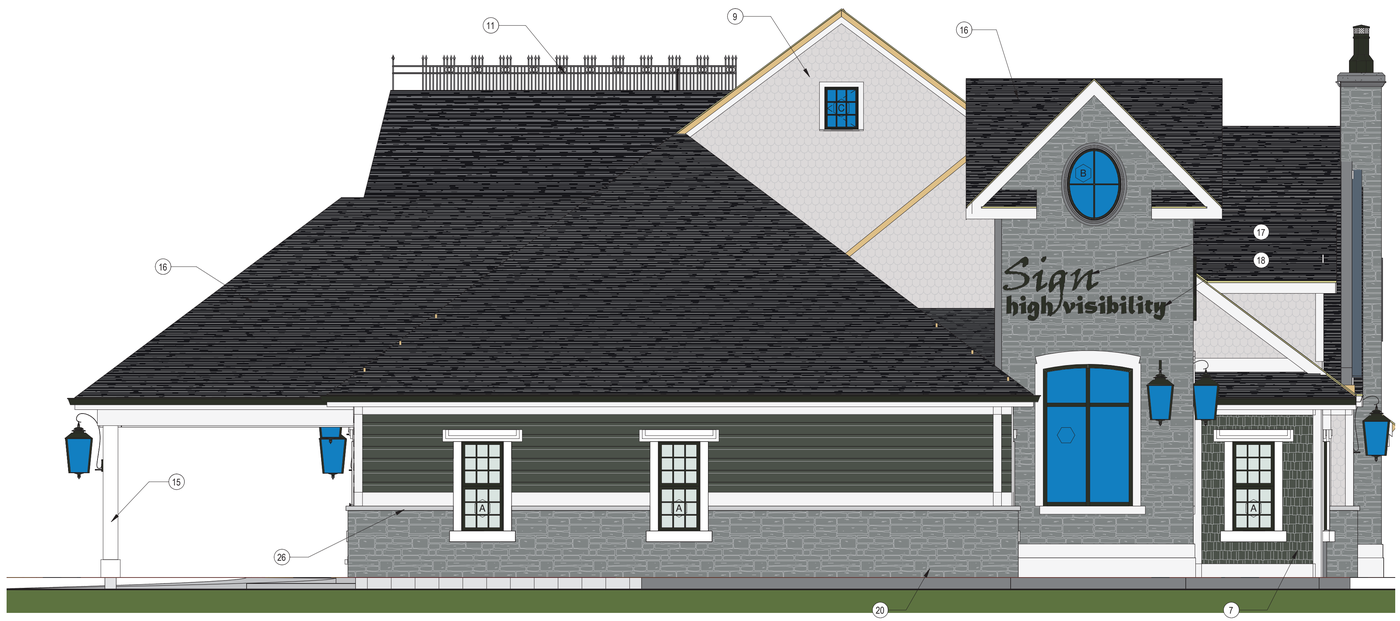
1 EAST ELEVATION

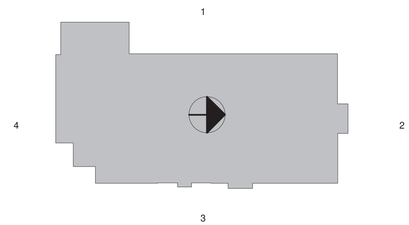
1/4" = 1'-0"



2 SOUTH ELEVATION

1/4" = 1'-0"

MATERIAL KEY ELEVATIONS	
KEYNOTE NUMBER	Comment
1	RAKE TRIM 1x6
2	RALU TRIM 1x8
4	TRIM 1x6
5	BASE TRIM 1x10
7	SHAKE
8	SHIPLAP SIDING
9	SCALLOPED
10	RAILING GUARDRAIL
11	WROUGHT IRON RAILING
12	HOSE BIBB
13	EXTERIOR COACH LIGHT
14	VICTORIAN BRACKET
15	COLUMN
16	#235 FIBERGLASS SHINGLES
17	24" SIGN TEXT
18	12" SIGN TEXT
19	CHIMNEY POT
20	STONE VENEER 1
21	ROUND LOUVER
22	CORBEL
23	1x8 GUTTER BD
24	1x10 FACIA BD
25	5" GUTTER & DS. 3x4
26	CAP FLASHING @ BRICK WAINSCOT



ELEVATION KEYPLAN

1/32" = 1'-0"

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Phone: 317-261-0070 www.princealexander.biz

PROJECT

COMPTON CORE & SHELL

15626 SPRING MILL ROAD, WESTFIELD, IN 46074

REVISIONS

No.	Description	Date

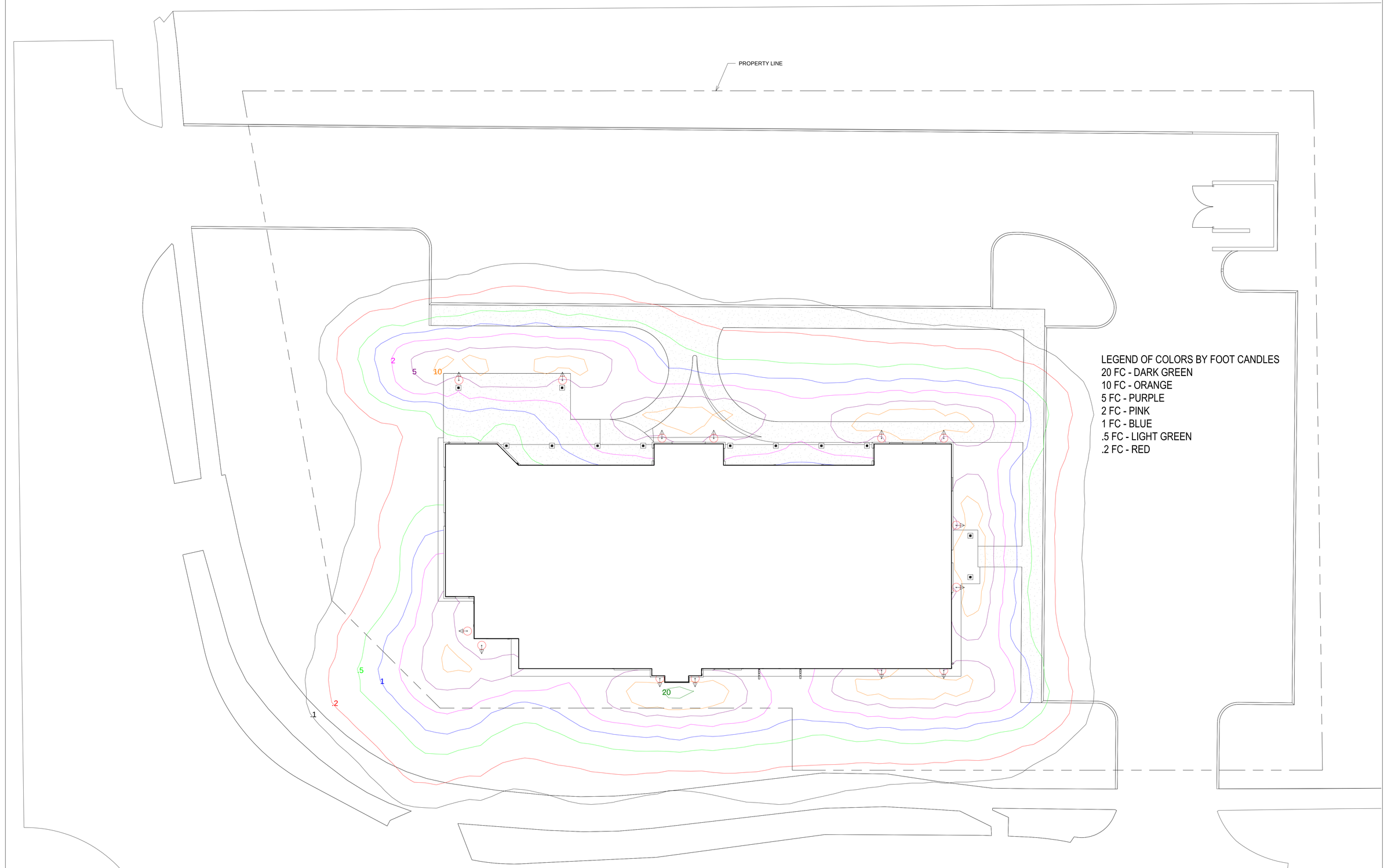
SHEET TITLE

ELEVATIONS

DATE

03/17/21

P2



LEGEND OF COLORS BY FOOT CANDLES
20 FC - DARK GREEN
10 FC - ORANGE
5 FC - PURPLE
2 FC - PINK
1 FC - BLUE
.5 FC - LIGHT GREEN
.2 FC - RED

1 PHOTOMETRIC
1" = 10'-0"

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Phone: 317-261-0070 www.princealexander.biz

PROJECT

COMPTON CORE & SHELL
15626 SPRING MILL ROAD, WESTFIELD, IN 46074

STEPHEN J. ALEXANDER REGISTERED No. AR00034266 STATE OF INDIANA REGISTERED ARCHITECT

REVISIONS

No.	Description	Date

SHEET TITLE
PHOTOMETRICS

DATE
03/17/21

E100

6/23/2021 11:54:27 AM

4130_LED HERITAGE SERIES

LED

EPA	7 YEAR WARRANTY	LUMEN RANGE	LIFE SPAN	UL LISTED	CLICK FOR FAQ's
2.46 (ft²) WEIGHT 55LBS	7	2,605 to 9,325	L70 MINIMUM 100,000 HOURS	UL	FAQ

JOB NAME Compton
FIXTURE TYPE Wall Sconce
MEMO

BUILD A PART NUMBER

ORDERING EXAMPLE: 2A-4130ALED-12L40T5-MDL014-CTA-PEC-FHD/480PM/3412FP4/SCC/BKT

Mounting Config.	Fixture	LED	CCT	Distribution Type	Driver	Lens	Option Control	Option Fuse	Option Hangstraight	Option House Side Shield	Option Chimney	Option Lumen Lens	Arm	Pole	Finish
		8L	40												

Mounting Configuration
(Click here to view mountng configuration sheet)

- 1W • 2A90 • 4A • SH44[1]
- PT • 2APT • 4APT • CH44[1]
- 1A • 3A • 1AM • CAT
- 1APT • 3A90 • 2AM
- 2A • 3APT • 450PB

W = Wall Mount PT = Post Top APT = Post Top Arm Mid-Mount A = Arm Mount AM = Arm Mid-Mount PB = Pier Base SH = Stem Hung CH = Chain Hung CAT = Catenary

[1]Include overall drop in inches after designation for Stem/Chain application (IE: CH44-48")

Fixture
- 4130ALED • 4130ALEDH • 4130BLED
- 4130CLED • 4130CLEDH

(H) - Hanging style fixture.

LED
- 24L • 16L • 12L • 8L

CCT - Color Temperature (K)
- 27(00) • 30(00) • 40(00) • 50(00)

Distribution Type
- T2 • T3 • T4 • T5

Driver
- **MDL014** (120V-277V, 140mA)
- **MDH014** (347V-480V, 140mA)

Lens (Click here to link to lens specification page)
- **CSA** (Clear Seeded Acrylic)
- **CTA** (Clear Textured Acrylic)
- **PA** (Prismatic Acrylic)
- **SV1** (Flat Soft Vue Light Diffused Acrylic)
- **SV2** (Flat Soft Vue Moderate Diffused Acrylic)
- **SV4** (Flat Soft Vue Maximum Diffused Acrylic)

Options (Click here to link to view accessories sheet)
- **PEC** Electronic Button Photocontrol (120V-277V)
- **PEC4** Electronic Button Photocontrol (480V)
- **FHD**[2] Double Fuse and Holder
- **EZ** Vertical Hangstraight, Large, "EZ" Mount
- **HSS60** 60° House Side Shield
- **HSS120** 120° House Side Shield
- **HSS180** 180° House Side Shield
- **BLOC** Back Light Optical Control
- **FHC** Frosted Hurricane Chimney
- **SV1F** Light diffused internal flat lens
- **SV2F** Moderate diffused internal flat lens

[2]Ships loose for installation in base.

Arm (Click here to view arm website page)
See Arms & Wall Brackets specification sheets.
- 478 • 6236 • TA • BA
- 80 • 579 • TASCR

Pole (Click here to view pole website page)
See Pole specification sheets.

Finish (Click here to view paint finish sheet)
Standard Finishes[3]
- **BKT** Black Textured
- **WHT** White Textured
- **PGT** Park Green Textured
- **ABZT** Architectural Medium Bronze Textured
- **DBT** Dark Bronze Textured

[3]Smooth finishes are available upon request.

Custom Finishes[4]
- **CM** Custom Match
- **OI** Old Iron
- **RT** Rust
- **WBR** Weathered Brown
- **CD** Cedar
- **WBK** Weathered Black
- **TT** Two Tone

[4]Custom colors require upcharge.

Sternberg Select Finishes
- **VG** Verde Green
- **SI** Swedish Iron
- **OWGT** Old World Gray Textured

Specifications
Fixture
The 4130 Heritage II Series is an elegantly styled fixture series featuring a tapered six sided cage and roof. It shall be appointed with a cast aluminum decorative finial.

Fitter - Standard
The fitter or base shall be heavy wall cast aluminum, 356 alloy for high tensile strength. It shall have an inside diameter opening to 3" diameter pole or tenon. When ordered with a Sternberg pole, the fitter shall be set screwed to the pole top or tenon.

LED's
The luminaire shall use high output, high brightness LED's. They shall be mounted in arrays, on printed circuit boards designed to maximize heat transfer to the heat sink surface. The arrays shall be roof mounted to minimize up-light. The LED's and printed circuit boards shall be 100% recyclable; they shall also be protected from moisture and corrosion by a conformal coating. They shall not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. The LED life rating data shall be determined in accordance with IESNA LM-80. The High Performance white LED's will have a life expectancy of approximately 100,000 hours with not less than 70% of original brightness (lumen maintenance), rated at 25°C. The High Brightness, High Output LED's shall be 4000K (2700K, 3000K or 5000K option) color temperature with a minimum CRI of 70. Consult factory for custom color CCT. The luminaire shall have a minimum ______ (see table) delivered initial lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F).

Optics
The luminaire shall be provided with individual, refractor type optics applied to each LED. The luminaire shall provide Type____ (2, 3, 4, or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.

Electronic Drivers
The LED driver shall be U.L. Recognized. It shall be securely mounted inside the fixture, for optimized performance and longevity. It shall be supplied with a quick-disconnect

See next page

SternbergLighting
ESTABLISHED 1923 / EMPLOYEE OWNED

800-621-3376
555 Lawrence Ave., Roselle, IL 60172
info@sternberglighting.com
www.sternberglighting.com

4130_LED HERITAGE SERIES

LED

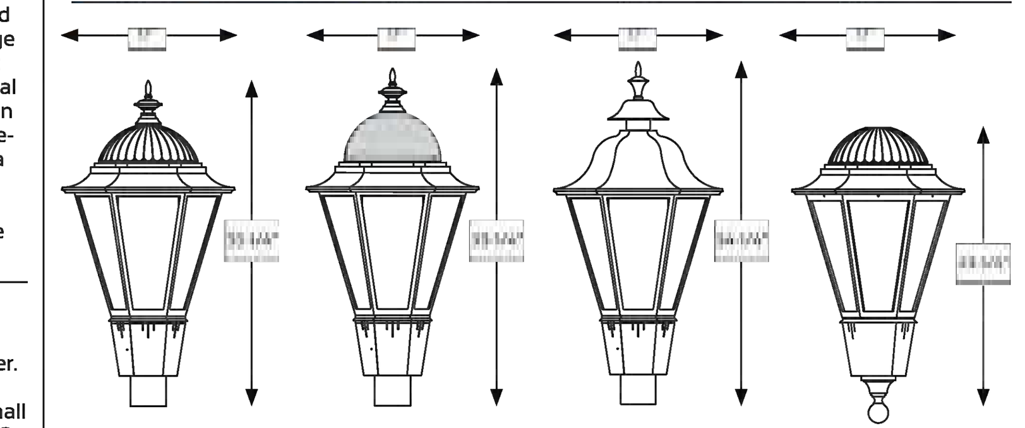
electrical connector on the power supply, providing easy power connections and fixture installation. It shall have overload, overheat and short circuit protection, and have a DC voltage output, constant current design, 50/60HZ. It shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It shall be a high efficiency driver with a THD less than 20% and a high power factor greater than .9. It shall be dimming capable using a 0-10v signal, consult factory for more information.

Photocontrols
Button Style: The photocontrol shall be mounted on the fixture and pre-wired to driver. The electronic button type photocontrol is instant on with a 5-10 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years. See pole spec sheet for pole mounted version.

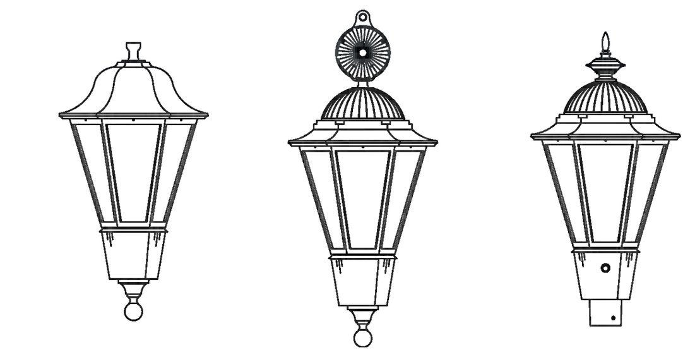
Warranty
Seven-year limited warranty. See product and finish warranty guide for details.

Finish
Refer to website for details.

Fixture Examples



Options



Performance

MODEL #	T2 DELIVERED LUMENS	EFFICACY (LPW)	T3 DELIVERED LUMENS	EFFICACY (LPW)	T4 DELIVERED LUMENS	EFFICACY (LPW)	T5 DELIVERED LUMENS	EFFICACY (LPW)	WATTS
24L40T_-MDL014	8680	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24L30T_-MDL014	8275	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24L27T_-MDL014	7485	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16L40T_-MDL014	6095	105.1	6120	105.5	6235	107.5	6525	112.5	58
16L30T_-MDL014	5810	100.2	5835	100.6	5945	102.5	6220	107.2	58
16L27T_-MDL014	5255	90.6	5275	90.9	5375	92.7	5625	97.0	58
12L40T_-MDL014	4515	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12L30T_-MDL014	4305	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12L27T_-MDL014	3890	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8L40T_-MDL014	3020	97.4	3120	100.6	3180	102.6	3425	110.5	31
8L30T_-MDL014	2880	92.9	2975	96.0	3030	97.7	3265	105.3	31
8L27T_-MDL014	2605	84.0	2690	86.8	2740	88.4	2955	95.3	31

SternbergLighting
ESTABLISHED 1923 / EMPLOYEE OWNED

800-621-3376
555 Lawrence Ave., Roselle, IL 60172
info@sternberglighting.com
www.sternberglighting.com

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LIGHTING CUT SHEETS

APPROVAL PENDING NOT FOR CONSTRUCTION

DATE	ISSUE
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Consulting Engineers–Planners–Surveyors
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